ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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B No.	Roll No	Name Of The Student	Title Of The Project
1	19701a0120	Manjunadha Reddy Bobbala	Prediction Of Mechanical Properties Of Conventional And High Strength Concrete Using Artificial Neural Networks
	19701a0114	Krushidhar Reddy Siripireddy	
	19701a0113	Kishore Jangiti	
	19701a0116	Madhusudhan Reddy Bade	
	17701a0115	Guna Sekhar Reddy	
	19701a0111	Kalyan Kuruva	
2	19701a0132	Raj Kumar Chidambaram	Analysis Of Characteristics Of Water In Rayalasema Zone
	19701a0126	Narendra Chandragiri	
	19701a0129	Nazim Ahmed Shaik	
	19701a0136	Ravi Kanth Reddy Nooka	
	18701a0173	Venkateswara Reddy Ontiyeddu	
	19701a0137	Revanth Kumar Thota	
3	19701a0149	Venkata Kishore Mandla	An Experimental Investigation On Partial Replacement Of Cement, Fine Aggregate And Coarse Aggregate By Marble Dust Powder, Roof Tile Waste And Marble Pieces
	19701a0141	Shaheer Khan Dasabandam	
	19701a0105	Babji Jestadi	
	19701a0151	Vinay Birru	
	19701a0145	Sreehari Cheppali	
4	19701a0131	Pawan Kalyan Hasthavaram	Cost Estimation Of Residential Building Elements Using Python Programming Language
	19701a0127	Nasar Basha Shaik	
	19701a0101	Abdul Azeez Shaik	
	19701a0146	Sreekar Durbhaka	
	17701a0121	Jaswanth Kumar	
5	19701a0118	Maneesha Gangarapu	Effect Of Glass Fibers On Strength Properties Of Concrete
	19701a0107	Bhavitha Kancharla	
	19701a0147	Srikanth Reddy Bommireddy	
	19701a0115	Madana Bharath Simha Reddy Gaddam	
	19701a0106	Bala Krishna Reddy Mallela	
	19701a0133	Raja Ram Reddy Poli	
6	19701a0110	Himaja Kancherla	Comparison Of Runoff Computed By Strange's Table, Dry Damp Wet Method Scsn Method
	19701a0117	Malleswari Potta	
	19701a0122	Muneendra Ananthu	
	19701a0148	Vamsi Krishna Reddy Dugganagari	
	19701a0140	Santhosh Kumar Nagisetty	
7	19701a0112	Kasthuri Vemareddy	Ground Water Prospects Zonation Using: Remote Sensing &Gis
	19701a0108	Dhaneswar Reddy Kethamreddy	
	19701a0102	Abdul Rehaman Velturi	
	19701a0109	Divakar Reddy Bandlapalli	
	19701a0128	Navaneeshwar Reddy Lomada	

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8	19701a0123	Munimohan Chenna	An Experimental Study On Geo Polymer Concrete By Using Fly Ash And Alkaline Liquids
	19701a0124	Munisreedhar Vempalaku	
	19701a0142	Shaheer Shaik	
	19701a0139	Saikumar Chimala	
	19701a0138	Sai Uday Korakooti	
9	19701a0104	Ayyavaraiah Gampa	Trend Analysis Of Krishna River Basin At Selected Sites Of Gauging Stations
	19701a0152	Vinay Krishna Daka	
	19701a0125	Nagaraju Potlapadu	
	19701a0143	Siva Hemanth Budda	
	18701a0152	Vinay Krishna Daka	
10	19701a0130	Pavithra Neelam	Stabilization Of Block Cotton Soil By Rice Husk Ash
	19701a0103	Anjaneyaraju Balaraju	
	19701a0134	Rajesh Mangali	
	19701a0150	Venkata Pavan Kalyan Kongani	
	18701a0125	Govardhan Kaki	
11	20705a0125	Jyothi Talapaneni	Influence Of Hallosite Nano Clay Tubes On Strength Properties Of Concrete
	20705a0136	Meghavardhan Nayanapati	
	20705a0115	Dhananjaya Yakala	
	20705a0110	Chandra Sai Pradeep Tippana	
	20705a0130	Lava Kumar Bathala	
12	20705a0131	Lokeswar Reddy Poreddy	Experimental Investigation On Durability Properties Of Hallosite Nano Clay Cement Composites
	20705a0145	Naveenkumar Chowdam	
	20705a0137	Moulali Dudekula	
	20705a0114	Dakshayani Kuppusala Dinabandhu	
	20705a0122	Jagadeeswar Reddy Kalamala	
13	20705a0108	Bhargavi Medikurthi	Experimental Investigation On Mechanical And Durability Properties Of Ferrock Based Concrete
	20705a0101	Alisha Banu Shaik	
	20705a0128	Lakshman Sai Kalava	
	20705a0121	Harshavardhan Gadi	
14	20705a0123	Jagadeeswara Reddy Mahanandigari	Investigation On Infiltration Studies At Selected Sites Near Aits Campus Rajampet
	20705a0104	Annareddy Bandi	
	20705a0102	Anil Kumar Maddikayala	
	20705a0144	Naveen Kumar Reddytavva	
15	20705a0109	Bhavani Rayapureddy	Delineation Of Groundwater Potential Zones By Using Remote Sensing And Gis
	20705a0139	Nagapramod Kuppa	
	20705a0103	Anjineyulu Aare	
	20705a0119	Harikrishna Guttameeda	
16	20705a0118	Hari Krishna Talari	Study On The Rheological And Mechanical Properties Of M30 Concrete Using Crusher Dust As Fine Aggregate, Fly Ash, Calcium Carbide Residue In Partial Replacement To Cement
	20705a0107	Bharath Kumar Pulibandla	
	20705a0113	Chiranjeevi Paradesi	
	20705a0140	Nageswara Reddy Pothireddy	
17	20705a0124	Jahnavi Mannuru	

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	20705a0138	Mustaq Basha Rayachoor	An Experimental Study On Pervious Concrete Using Glass And Polypropylene Fibers
	20705a0127	Kumar Lingala	
	20705a0116	Dinesh Bavirisetty	
18	20705a0134	Maheswara Reddy Perlachinnabaalagari	An Experimental Study On Recycled Aggregate Concrete Made With Partial Replacement Of Cement With Silica Fume And Fly Ash
	20705a0135	Maruthi Siva Prasad Nallabothula	
	20705a0106	Babu Swaroop Vallepu	
	20705a0117	Gunasekhar Reddy Bommana	
19	20705a0129	Lakshmi Manasa Gandikota	Effect Of Polypropylene Fibers On Rheological, Mechanical And Durability Properties Of Self-Compacting Concrete
	20705a0133	Mahesh Reddy Andena	
	20705a0132	Madhan Mohan Vaddamanu	
	20705a0143	Naveen Kommu	
	20705a0126	Kumar Uppulur	
20	20705a0111	Charan Kumar Gaddam	Design Of Flexible Pavement And Its Estimation
	20705a0120	Hariprasad G	
	20705a0105	Anush Reddy Gundreddy	
	20705a0142	Naresh Babu Kota	
	20705a0141	Nanda Kumar Kota	
21	20705a0152	Rajamouli Dandu	An Experimental Evaluation Of Durability Properties Of Glass Fiber Reinforced Concrete
	20705a0164	Shabeena Urimella	
	20705a0162	Sandeep Kumar Mekala	
	20705a0159	Sai Praveen Policherla	
	20705a0166	Siva Sankar Galla	
22	20705a0153	Rajini Sreerama	Laboratory Investigation On The Strength Properties Of Top Mix Permeable Concrete
	20705a0179	Vanaja Naradasu	
	20705a0154	Ramanjaneyulu Kondigalla	
	20705a0160	Saichandu Pancheti	
	20705a0175	Thriveni Dola	
23	20705a0157	Riyaz Basha Shaik	Customization Of Rapid Sand Filter By Using Discrete Materials
	20705a0170	Sucharitha Kothapalli	
	20705a0146	Pavan Kumar Valmiki	
	20705a0151	Rahul Kuntamalla	
24	20705a0168	Sivakumar Garladinne	Effect Of Usage Of The Diatomite Powder And Polypropylene Fibers As Partial Replacement Of Cement In Concrete
	20705a0173	Supraja Chakali	
	20705a0161	Sainath Manakuri	
	20705a0183	Venkatesh Edumalla	
25	20705a0167	Siva Vardhan Reddy Molaka	The Effect Of Wind Loads And Earth Quake Loads On Multi Storied Buildings Using Staad Pro
	20705a0182	Venkata Vijay Kumaryaparla	
	20705a0188	Yuva Teja Buddagalla	
	20705a0165	Shnehalatha Mopuri	
26	20705a0147	Pavitra Seelam	Effective Utilization Of Construction Materials For A Project
	20705a0163	Sanjeeva Reddy Pedaballi	
	20705a0156	Ravi Chandra Koratamaddi	

	20705a0148	Pooja M	
27	20705a0174	Thirupal Naik Bukkekulam	Analytical Study Of Quality Of Water At Different Industrial Place Samples(Uranium Factory, Beer And Cotton Factories)
	20705a0186	Viswasree Dharmisetty	
	20705a0177	Vamsi Talari	
	20705a0176	Trilok Chamanthula	
28	20705a0149	Pruthvi Raj Gangireddy	Assessment And Comparative Study Of Drinking Water Quality Of Rajampet Town
	20705a0178	Vamsi Krishna Akula	
	20705a0169	Sravani Alugunti	
	20705a0150	Radhika Jagili	
29	20705a0171	Sudharshan Lankala	Find Out The Ground Water Potential Zones For The River Basin Using The Gis And Remote Sensing
	20705a0172	Sunil Kumar Galimutty	
	20705a0180	Venkata Ramana Reddy Pallu	
	20705a0155	Ramyasri Chidadala	
	20705a0158	Sai Keerthana Nagireddy	
30	20705a0185	Viswanath Reddy Rajupalem	An Experimental Investigation Of Concrete Using Vermiculite As Partial Replacement Of Fine Aggregate
	20705a0184	Venkateswar Reddy Yenike	
	20705a0187	Vivekananda Reddy Chagamreddy	
	20705a0181	Venkata Sai Chuppala	
	20705a0112	Charitha Kanakadhandu	

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROJECT WORK BATCHES-A Section: - 2022-23

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
1	20705A0212	P.OBULESU	**L BAYA REDDY**	Interleaved converter based on cascaded non inverting buck boost converter
	20705A0201	D.AJAY NARASIMHA		
	20705A0209	K.V.JAYA PRAKASH		
2	19701A0234	K.KALPANA	**S SARADA**	Grid connected reduced switch 7-level inverter by model predictive control
	19701A0222	R.GANGA BHAVANI		
	19701A0240	Y.LAVAKUMAR		
	19701A0246	C.MAHESH		
3	19701A0205	K .ANJALI	**Dr.M.PADMA LALITHA**	Control of dc/dc converters in rural PV micro grid applications
	19701A0202	K.ADHARSH		
	19701A0221	T.GANESH		
	19701A0224	N.GOVARDHAN REDDY		
4	19701A0223	G.GAYATHRI	**Dr.P.B.CHENNAIAH**	An innovative analytical MPPT-based induction motor drive with SPVWM for a solar water pumping system
	19701A0228	P.HARI		
	19701A0247	M.MAHESHWAR REDDY		
	19701A0225	B.GOWTHAM		
5	19701A0241	P.LAVANYA	**Dr.PASALA GOPI**	Dynamic behavior and stability analysis of automatic voltage regulator with parameter uncertainty
	19701A0230	S.ISMAIL		
	19701A0219	G.DHARANISH		
	19701A0218	B.DHARAHAS		
6	20705A0208	R.HARITHA	**Dr.S.SURESH**	Optimal design and control of multi-renewable to hydrogen production system by sustainable demand and supply approach
	19701A0206	M.ANJALI		
	19701A0233	D.JEELAN BASHA		
7	20705A0202	T.AJITH KUMAR	**P.SURESH BABU**	Optimal placement of PMUS in power system network for voltage stability estimation under contingences
	19701A0204	K.AKHILA		
	19701A0216	T.DEVAKI DEVI		
	19701A0227	B.HARI BABU		
8	19701A0213	A.CHAITANYA	**Dr.K.DHANANJAYA BABU**	A single phase, single stage ac-dc multilevel LLC resonant converter with power factor correction
	19701A0220	M.DURGA BHAVANI		
	20705A0210	Y.LAKSHMI NARASIMHA		
	19701A0209	K.BABU		
9	19701A0242	S.LIKHITHA	**K.HARINATH REDDY**	Design of PD-PWM based Assymetrical 15-level reduced switch multilevel inverter for PV applications
	19701A0239	K.KRISHNA PRIYA		
	19701A0215	N.CHINNA ASWATH		
	19701A0243	A.LOKESH REDDY		

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
10	20705A0204	P.DEEPIKA	**P.BHASKARA PRASAD**	Two stage converter standalone PV battery based on VSG control
	19701A0231	Y.JAHNAVI		
	19701A0226	D.HAJIVALLI		
	19701A0244	P.LOKESHWAR		
11	20705A0206	B.GAYATHRI	**R MADHAN MOHAN**	Harmonic voltage control in DG system by using Arduino
	20705A0205	Y.GANGAMMA		
	19701A0237	G.KARTHIK		
	19701A0207	C.ASWINI		
12	20705A0207	S.GURUCHARAN	**B.MURALI MOHAN**	Multifunctional control in PV integrated battery energy storage system with enhanced power quality
	19701A0201	V.ACHYUTH		
	19701A0210	P.BALAJI		
	19701A0236	B.KARTHIK KUMAR REDDY		
13	20705A0211	K.T.MOUNESH	**S.MUQTHIAR ALI**	Enhanced security and wireless charging of electric vehicle along with solar tracking panel
	19701A0217	M.DAMODAR		
	19701A0203	L.AISHWARYA		
	19701A0245	N.MADHUSUDHAN		
14	19701A0214	K.CHANDRA KALA	**N.SREERAMULA REDDY**	Design and Development of Automated Writing Machine
	19701A0238	N.KEERTHI		
	19701A0208	V.AYYAPPA REDDY		
	19701A0211	V.L.BHANU PRAKASH REDDY		

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROJECT WORK BATCHES-B Section: - 2022-23

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
1	19701A0270	V PAVAN KALYAN REDDY	**Dr. P B CHENNAIAH**	Magnetic control based DC-DC converter in LED driver applications
	19701A0271	G PAVAN KUMAR REDDY		
	19701A0257	K MOHAN KRISHNA REDDY		
	19701A0268	S NITHIN KUMAR REDDY		
2	20705A0226	A VENKATA SAI PRAKASH	**Dr. S SURESH**	Design and development of Hybrid renewable - to - Hydrogen production System: A Machine Learning approach
	19701A0290	G SAI CHANDANA		
	19701A0264	S NEHA		
	19701A0291	R SAI KUMAR REDDY		
3	20705A0220	A SWAROOPA	**Dr.P GOPI**	Auxiliary Transformer Monitoring System Using IOT
	20705A0214	K SAHUL		
	19701A0273	K POOJITHA		
	19701A0248	V MAHESWAR REDDY		
4	19701A0256	S MOHAMMAD SAMIULLAH SHARIFF	**Dr. M PADMA LALITHA**	Detection Of Adulterants In Milk Using IOT
	19701A0295	U SIVA SREENATH		
	20705A0215	S SAI HARI PRIYA		
	19701A0275	E PRATYUSHA		
5	19701A0283	R RAMYA	**P SURESH BABU**	Wind power inverter DC bus voltage control based on first order LADRC
	19701A0287	M ROSHAN REDDY		
	19701A0263	K NAVYA SREE		
	19701A0278	M RAJA VISHNU		
6	20705A0217	Y SIREESHA	**C GANESH**	Predictive Control Of Single Phase Grid Connected Reduced Switch 7-Level Triple Boost Inverter
	20705A0222	K VAISHNAVI		
	20705A0223	D VANI		
7	20705A0224	P VASANTHI	**R MADHAN MOHAN**	Wireless Power Charging for Electric Vehicle Using Magnetic Resonance
	20705A0218	M SREE LAKSHMI		
	20705A0227	K VENKATESH		
	19701A0285	J RANGA SWAMY		
8	19701A0289	Y SAI ANUSHA	**K HARINATH REDDY**	Performance Improvement of Grid Interfaced Hybrid System using DPFC & Fuzzy Logic Controller
	19701A0258	M NAGA SAI MANOGNA		
	19701A0277	M RAGHAVENDRA		
	19701A0255	S MOHAMMAD IDREES		
9	20705A0216	R SAI KUMAR	**S MUQTHIAR ALI**	Arduino Controller Based Land Rover And To Save Soldier Lives
	19701A0293	D SINDHUJA		
	19701A0274	S POOJITHA		
	19701A0281	N RAMA KRISHNA REDDY		

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
10	19701A0266	K NIKITHA REDDY	**Dr. O HEMA KESAVULU**	Simulation Of Grid Connected Wind-Battery System For Energy Management
	19701A0269	K PADMA LATHA		
	19701A0280	B RAKESH RAJU		
	19701A0286	K RAVI		
11	20705A0221	G TEJESWARA SWAMI REDDY	**N SREE RAMULA REDDY**	Three phase Cascaded H-bridge Multi-level Inverter Control of Grid Frequency based Photovoltaic Generation
	20705A0219	P SUBRAMANYAM		
	19701A0262	K NAVEEN KUMAR REDDY		
	19701A0276	T PURUSHOTHAM REDDY		
12	19701A0292	M SINDHU	**P BHASKARA PRASAD**	Control and management of railway connected to micro grid stations
	20705A0225	D VEERA GANESH KUMAR		
	19701A0279	P RAJA SREE		
	19701A0267	K NITHEESH		
13	19701A0250	G MANEESHA	**D SAI KRISHNA KANTH**	Integration of Solar Energy System for Electric Vehicle
	19701A0252	J MANOJ KUMAR REDDY		
	19701A0249	B MANASA		
	19701A0251	P MANIKANTA		
14	19701A0272	B POLI REDDY	**Dr.K DHANANJAYA BABU**	Performance Improvement of Multi-Type Batteries for Electric Vehicles using Python Programming
	19701A0294	K SIVA KUMAR		
	19701A0260	K NAVEEN KUMAR		
	19701A0261	B NAVEEN KUMAR REDDY		
15	19701A0265	S NIKHILA	**M RAMESH**	Minimization Of Power Loss And Voltage Drop By Dg Placement In Distribution System By Using Bacterial Foreging Optimization Algorithm (Bfoa)
	19701A0254	G MEGHANA		
	19701A0253	S MASUM VALI		
	19701A0284	P RANADEEP REDDY		

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROJECT WORK BATCHES-C Section: - 2022-23

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
1	19701A02A0	SREELAKSHMI NAGINENI	**Dr.J. SREERANGA NAYAKULU**	Three Level T Type quasi z source PV grid tied inverter with active power filter functionality under research focus
	19701A02D1	YASWANTH Y		
	19701A02B5	UMA BHARATHI NALLAPATI		
	19701A02C4	VENKATA MAHESH KOTAKONDA		
2	19701A02D3	YUGESWARI UPPALAPATI	**M.RAMESH**	Optimal Location of UPFC for Voltage profile improvement using particle swarm optimization and fuzzy logic
	19701A02D4	YUVA SIMHA REDDY MOPURI		
	19701A02D2	YESWANTH KUMAR REDDY YADIKI		
	19701A02C9	VISHNU VARDHAN REDDY A		
3	19701A0299	SRAVANI YAKKANTI	**P.RAVINDRA PRASAD**	Voltage Profile enhancement and Loss minimization using incremental analysis for optimal placement and sizing of DG's in reconfigured network.
	19701A02A1	SREENIVASULA REDDY KONDREDDY		
	19701A02B3	TULASINATH REDDY KUSAM		
	19701A02C0	VARANAGATHEJA DEVARAJUGARI		
4	19701A02A4	SUDHEER KUMAR VASURI	**A.HIMA BINDU**	Charging of Electrical vehicle by using switched reluctance motor drives
	19701A02C7	VINAY KUMAR YAGATURI		
	19701A02A5	SUREKA TUNGA		
	19701A02A9	SUSMITHA REDDY BHEEMACHERLA		
5	19701A02B7	UME SALMA SHAIK	**S.RUBEENA**	A modified rule based supervisory controller for performance improvement of Hybrid Energy Storage Systems in DC Micro grids
	19701A02B6	UMA MANASA KURUVA		
	19701A02B4	UDAY KUMAR KUMMATHI		
	19701A02B9	VAMSI KRISHNA KAPPALA		
6	19701A02B0	SWAPNA BEEDALA	**T.ARUN KUMAR**	Reactive power controlling in distribution network by optimal location and sizing of capacitor using Fuzzy and SFLA
	19701A02A8	SUSHMA KOTULURU		
	19701A02C5	VENKATA MOHAN REDDY KAMBAM		
	19701A02C3	VENKATA CHENNA GIRINATH MADURU		
	19701A02C8	VISHNU VARDAN REDDY KUDUMULA		
7	19701A0298	SNEHA LATHA KANALA	**K. VIJAYA BHASKAR**	Performance analysis of Solar power generation system with a dual input buck boost DC to AC Inverter and Boost Power Converter
	19701A0296	SIVAMANI KUMMARA		
	19701A0297	SIVASAI NANDAN REDDY VADDI		
	19701A02A7	SURYA SHIVA SAI KUMBAGIRI		

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
8	19701A02B1	SWARNALATHA GUVVALA	**M.SWETHA**	Bidirectional power control for super capacitor energy storage system based on MMC DC-DC converter
	19701A02B2	SWATHI DODDIPALLI		
	19701A02B8	UPENDRA REDDY NEMALI		
	19701A02C1	VARUNKUMAR REDDY NALLAKKAGARI		
9	19701A02A6	SURENDRA REDDY GURKA	**G.SUBAHAN**	PMSG wind energy conversions system with Z-Source inverter
	19701A02C2	VEERAREDDY YARRASANI		
	19701A02A3	SUDHEER KUMAR REDDY GADIBAVI		
	19701A02D0	VISHNU VARDHAN REDDY GADIBAVI		
	19701A02A2	SRINIVASULU REDDY MUMMADI		
10	20700A0208	LEELENDRA PRASAD ACHAMMA GARI	**B.MURALI MOHAN**	A novel type-2 fuzzy logic controller based hybrid Micro grid with different renewable energy sources
	20700A0210	MAHESWARA NAIDU GURIGINJAKUNTA		
	20700A0205	JASWANTH KONATHALAPALLE		
	19709A0204	JASWANTH REDDY ATLA		
11	19709A0206	PRIYANKA NARAPUREDDY	**Dr.O.HEMAKESAVULU**	Wireless Electronic Notice Board By Using Android
	20700A0213	SIVANI YEDUGURU		
	19709A0202	CHAITANYA BATHURU		
	19709A0201	BHANU TEJA ARIGELA		
12	20700A0207	KARUNAKAR YARRACHINNAIAHGARI	**M.SAI SANDEEP**	Advanced Vehicle Monitoring System And Automatic Vehicle Dim And Brightness Controlled Using NRF 24l01 Module
	20700A0212	ROHITH KUMAR RAJU CHAMARTHI		
	19709A0208	VENKATA SANDEEP CHITRALA		
	20700A0215	UMA VENKATESWARLU GODINA		
13	20700A0202	AYISHA SULTHANA SHAIK	**M.SWETHA**	A novel solar photovoltaic fed Trans ZSI-DVR for power quality improvement of Grid-connected PV systems
	20700A0201	AMRUTHA VARSHINI KODANDAM		
	20700A0203	FRANCIES GENTAM		
	20700A0218	VIKHYATH JESTADI		

Batch No.	H T Number	Name of the student	Name of the Guide	Title of the project
14	20700A0214	SUNITHA GANDLURU	**K. VIJAYA BHASKAR**	Warning alert system for child and pets left unattended vehicle using sensors
	20700A0206	JYOSHNA PATTIPATI		
	20700A0216	VENKATA SNEHITH YADAV CHAKKA		
	19709A0205	NARASIMHA ANDE		
15	20700A0209	MAHESH MADINENI	**M.MAHESH**	A smart access control for restricted building using vehicle number plate
	20700A0217	VENKATA SOMA SEKHAR REDDY GURKA		
	20700A0204	HEMALATHA BALAGONDA		
	19709A0207	SREENATH REDDY GAJJALA		

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(AUTONOMOUS)
Department of Mechanical Engineering
Academic Project Work - B.Tech
List of Batches - Project Titles

Year:IV **Sec:A**

Batch	H.T.No	Name of the student	Title of the Project	Guide Name
A 1	19701A0343	SAI VISHNU VARDHAN REDDY RAJUPALEM	Experimental study and optimization of machining parameters in milling process of INCONEL 718	Mr. G. ESWARA BALACHANDRA
	19701A0347	VENKATA CHAITANYA ANDEMACHU GARI		
	19701A0314	DIVAKAR REDDY SUDHA		
	19701A0317	HARI KUMAR RAJU GUNTIMADUGU		
A 2	19701A0341	SAI TEJA NARA	Synthesis and characteristic analysis of a novel Phase change Heat storage material	Dr. B. DEVARAJ NAIK
	19701A0312	DINESH KUMAR KAREDLA		
	19701A0344	SHARATH KUMAR YARRABOTHULA		
	19701A0342	SAI TEJA SINGANAMALA		
A 3	19701A0340	SAI SANDESH M N	Waste Heat Recovery By Using Phase Change Material in VCR System.	Mr. C. RAMANJANEYULU
	19701A0348	VIJAY KUMAR NANDYALA		
	19701A0331	NIKHIL KUMAR RAJU SANGARAJU		
	19701A0339	SAI KIRAN BANDI		
A 4	19701A0325	MOHAN KASARAGADLA	Optimization on machining parameters of milling on AA7175 by using Taguchi and Genetic algorithm.	Mrs. N KEERTHI
	19701A0350	VISHNU VARDHAN REDDY YERRU		
	19709A0301	JASWANTH KUMAR REDDY PERAM		
	19701A0310	CHARAN KUMAR KATTA		
A 5	19701A0313	DINESH KUMAR YARRAGUDI	Development and characterization of Hybrid composite Al7075 reinforcing with WC and Cr by stir casting process.	Mr. N. KISHORE KUMAR
	19701A0307	BADRINATH GOUNIPURAM		
	19701A0301	ABDUL SHAIK		
	19701A0306	ASHOK REDDY RAMIREDDY		
	19701A0332	PAVAN KUMAR REDDY KOTTAPALLE		
	19701A0338	SAI GANESH SAMPATHI		
A 6	19701A0336	REDDY SEKHAR REDDY KETHIREDDY	Optimization of Effectiveness in Counter Flow Shell and Tube Heat Exchanger Using Hybrid Grey Neural Network Model.	Mr.S .NAGENDRA
	19701A0308	BALAJI DASARI		
	19701A0305	ARUN KUMAR VANKAM		
A 7	19701A0353	ZAKRIYA SHAIK	Experimental Investigation And Optimization Of CNC Drilling process Parameters On Aluminum Alloy Through Taguchi Method.	Mr. N. NAGARAJU
	19701A0352	VISHWANTH LINGAM		
	18701A0311	DURGA HARSHA VARDHAN PASUPULETI		
	18701A0332	MANI KUMAR MANGALA		
A 8	19701A0303	ANAND BABU MUNDLA	Fabrication and Characterization of Polymer Based Hybrid Composites Reinforced with Cattail fibers and Sugarcane fibers.	Dr.P. V. SANJEEVA KUMAR
	19701A0351	VISHNU VARDHAN VARADARAJU		
	19701A0335	REDDAIAH MODAPOTHULA		
	19701A0318	HEMANTH KUMAR KAANIPOGU		
A 9	19701A0346	SREEDHAR REDDY METTU	Investigation on Inter-laminar Shear Strength of Graphene Particle Deposition in Glass fibre Reinforced composites .	Mr. B. SANTHOSH KUMAR
	19701A0333	PRASANTH MOTAKATLA		
	19701A0349	VIJAY KUMAR YENUMALA		
	19701A0323	MANIDEEP REDDY DARAM		
A 10	19701A0321	JAYANTH RAMAKRISHNA	Fabrication of Solar Inverters for Household applications.	Mr. M. Mani
	19701A0304	ANSAR SHAIK		
	19701A0309	CHAITANYA KRISHNAPPA GARI		
	19701A0316	GURURAGHAVA REDDY MALLELA		
A 11	19701A0345	SIVA PRATHAP REDDY CHALLA	Investigation of mechanical properties of Friction stir welding of dissimilar materials.	Mr. S.Ramesh Babu
	19701A0319	HUSSAIN BASHA DUDEKULA		
	19701A0324	MOHAMMED ZAID SHAIK		
	19701A0330	NARESH GALI		

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET
(AUTONOMOUS)
Department of Mechanical Engineering
Academic Project Work - B.Tech
List of Batches - Project Titles

Year:IV **Sec:B**

Batch	H.T.No	Name of the student	Title of the Project	Guide Name
B1	20705A0341	LOKESWARA SOMA	Effect of Heat Treatment Process on Al7075 Embedding With Cr & Wc	Mr. S. M SALEEMUDDIN
	20705A0343	MALLIKARJUNA JANAKONDA		
	20705A0305	AKSHAY KUMAR REDDY REDDEMMAGARI		
	20705A0335	JAYASIMHA BUCHAMMAGARI		
B2	20705A0317	CHANDRA RADHA KRISHNA THUMMALA	Improving the Corrosion Resistance Of ZM21 Magnesium Alloy By Using Plasma Electrolytic Oxidation Process	Dr. N. SIVA RAMI REDDY
	20705A0318	DEEPAK ACHARI KARAMALA		
	20705A0307	ARUN KUMAR MEDA		
	20705A0334	JASWANTH BALARAJU		
B3	20705A0315	BHUVANESWAR REDDY KOPPOLU	Design And Fabrication of Eco Friendly Portable Multipurpose Agriculture Tilling Machine	Mr. G.SURESH BABU
	20705A0329	HARINATH GUNDUMALLA		
	20705A0326	GOVARDHAN REDDY CHEPPALLI		
	20705A0328	GURUSAI REDDY THOTA		
B4	20705A0336	KARTHIK KAPADAM	Fabrication And Characterization Of Aluminium Metal Matrix Composites(AMMC) Reinforced With Silicon Carbide-Zirconium Diboride	Mr. D. VISHNU VARDHAN REDDY
	20705A0330	HARISH KAMATHAM		
	20705A0321	DINESH REDDY GUMMIREDDY		
B5	20705A0340	LOKESH REDDY MAREDDY	Optimization of machining parameters in CNC drilling of Aluminum metal matrix composite	Mr. C. THIRUPATHAIAH
	20705A0319	DILEEP ACHARI KARAMALA		
	20705A0332	IBRAHIM ALEKONDA		
B6	20705A0322	DIWAKAR REDDY CHINNARAMANNAGARI	Hydraulic Pump Controller Through IOT By Sensing Moisture Content In Soil	Mr. T.MANI MOHAN
	20705A0338	KRISHNA SAGAR GOVINDU		
	20705A0311	BHARATH KANDURI		
	20705A0325	GOVARDHAN BALISETTI		
B7	20705A0344	MOHAMMAD ADIL PATAN	Smart Helmet-Fall Detection of Riders Using Inertial Sensors And To Avoid Accidents Occurrence	Mr. G. AMARNATH
	20705A0320	DINESH GANNE		
	20705A0345	MOHAMMED KHADIRI SHAIK		
	20705A0306	ANIS MATIN KHAN PATAN		
B8	20705A0301	ABDULWAAJID SHAIK	Synthesis of Biomaterial for Bone Tissue Engineering	Mr. V. VENKATESH
	20705A0309	BABA FAKRUDDIN ACHUKATLA		
	20705A0303	AHAMAD HUSSAIN SHAIK		
	20705A0337	KOMMADDIN MUZAMMIL SHAIK		
B9	20705A0327	GURU MOHAN NAMBALAGARI	Wireless Communication Based- Sprinkler Irrigation System with Seed Sawing Robot	Dr.B. VENKATESH
	20705A0339	LOKESH KANUPARTHI		
	20705A0310	BADRINATH REDDY CHIYYAVARAM		
	20705A0342	MADHAVA REDDY BUSI REDDY		
B10	20705A0312	BHARGAV POGAKU	Manually operated floor cleaning machine	Mrs. N.DEEPTHI
	20705A0346	MOHAN NAIK SUGALI		
	20705A0308	ASHOK REDDY NAGAPPAGARI		
	20705A0323	GANESH EDIGA		
B11	20705A0313	BHAVYANTH PALA	Experimental investigation on mechanical and corrosion behavior of CuAlBe quaternary shape memory alloy	Dr. N. SIVA RAMI REDDY
	20705A0314	BHUVANA GANGADHAR REDDY JARUGU		
	20705A0316	CHAITANYA PULLIKONDA		
	20705A0304	AHAMMAD CHERUKURU		

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Department of Mechanical Engineering
Academic Project Work - B.Tech
List of Batches - Project Titles

Year:IV **Sec:C**

Batch	H.T.No	Name of the student	Title of the Project	Guide Name
C 1	20705A0363	RAKESH CHOWDARY POTTURU	Design & Fabrication of Liquid Fuel Based Cooking Stove with Pump.	Dr KRISHNA MOHAN RAJU
	20700A0306	VENKATA SATHISH REDDY LAKKIREDDYGARI		
	20705A0373	SREEDHAR PALLA		
	20705A0381	VAMSI DHANIYALA		
C2	20705A0368	SAISREEDHAR DASARI	Experimental investigation and optimisation of conventional drilling process parameters on aluminium alloy 7075 material through fuzzy-taguchi method.	Mr. R.V.N.R. SURYA PRAKASH
	20705A0367	SAINATH REDDY YANAMALA		
	20705A0377	SULTHAN SAB HUSSAINVALI SHAIK		
	20705A0370	SANJEEVARAYUDU NALLU		
C 3	20705A0372	SIVA SANKAR CHEVULA	Enhancement of corrosion resistance of aluminium metal matrix composites reinforced with zirconium aluminide using stir casting process .	Mr. M. MARUTHI PRASAD
	20705A0360	RAJENDRA POTHULA		
	20705A0376	SUBHASH REDDY ANAKALA		
	20705A0391	VISHNU VARDHAN REDDY BHUMIREDDY		
C 4	20705A0351	NARASIMHA BURRI	An Experimental investigation on 3D printed smart structures for aerospace applications.	Dr.A. HEMANTHA KUMAR
	20705A0371	SHASIKUMAR MUDUGAL		
	20700A0301	ASHOK KUMAR VELPULA		
	20705A0357	PAVAN KALYAN CHITRALA		
	20705A0383	VENKATA GURUNATH PASUPULETI		
C 5	20705A0347	MOULALI PALAGIRI	Design And Fabrication of Thermo Electric Cooling System (Refrigerator).	Mrs. N.DEEPTHI
	20700A0305	UMAMAHESH GOUD PURAM		
	20705A0361	RAJESH RAJU CHAMARTHI		
	20705A0352	NARESH SANE		
C 6	20705A0364	RAMU BATTINA	Experimental Investigation and Optimization of Milling Process Parameters on CNC END milling machine for AA 7085 Material by using Fuzzy Taguchi method.	Mr. N NAGARAJU
	20705A0382	VAMSI HARIVARAM		
	20705A0392	VISHNU VARDHAN REDDY SINGIREDDY		
	20705A0349	NAGA NARASIMHA REDDY BEERAM		
C 7	20705A0375	SRINIVASULU REDDY ERAGAMREDDY	Multi-Purpose Agriculture Robot By Using IOT Technology.	Mr. N. JAYA KRISHNA
	20705A0353	NARESH NAIDU PARIKIDONA		
	20705A0374	SREENATH KOMMA		
	20705A0387	VENKATA SAI LOKESH CHAKRALA		
C 8	20705A0362	RAKESH BABU VUSA	Friction stir welding of two dissimilar materials by adding reinforcement to improve mechanical properties.	Mrs. K. NAGAMANI
	20705A0393	VISHNU VARDHAN VELPULA		
	20705A0394	VISWAK SENA YADAV THIMMAPURAM		
	20705A0348	MUNI KRISHNA KUKUDU		
C 9	20705A0355	PARVESH REDDY PATNAM	Improvement of degradation rate of PEO coated Magnesium alloy for Orthopaedic applications.	Mr. K. AJAYA KUMAR REDDY
	20705A0354	OM PRAKASH PENIKALAPATI		
	20705A0386	VENKATA NAGA JAYA CHANDRA REDDY PAMMI		
	20705A0388	VIJAY KUMAR BOYA		
C 10	20705A0385	VENKATA MURALI MOHAN REDDY PALURU	Experimental Investigation On Mechanical Properties Of Aluminium Metal Matrix With Reinforce Materials Of Graphite And "SiC".	Mr. C. THIRUPATHAIAH
	20705A0366	SAI VIJAY KATHALA		
	20705A0379	SURYATEJA KOLA		
	20705A0358	PRUDHVI MANJULA		
C 11	20700A0303	RAJA KULLAI DUDEKULA	Development of titanium scaffolds fabrication by using DMLS.	Mr. N Raghunath
	20700A0304	SHYAM SUNDHER REDDY KAPPETA		
	20705A0395	YASHWANTH KUMAR MALA		
	20705A0384	VENKATA KIRAN KUMAR PAYALA		
C 12	20705A0350	NAGENDRA PRASAD NALLAJODU	Experimental study of the efficiency of a portable solar water heater construction from recycled plastics bottles with reflectors .	Mr. S Mahaboob Khan
	20705A0378	SURENDRA ANNALAIAH GARI		
	20705A0365	SAI KUMAR KATHEM		
	20705A0389	VIJAYA KUMAR VALLEPU		

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Batch	H.T.No	Name Of The Student	Title Of The Project
1	18701A0347	PRATHYUSHA IMMARAJU	Investigation Of Corrosion Behaviour Of Mg-Sn Alloy By Stir Casting For Bio Medical Applications
	18701A0316	HARISH REDDY CHAPPIDI	
	18701A0323	KARTHIK GUNIPATI	
	18701A0321	JAYA MALLIKARJUNA REDDY THARIGOPULA	
2	18701A0305	BALAKRISHNA SURIMISETTY	Optimization Of Process Parameters Of Aluminum Metal Matrix
	18701A0308	CHAITHANYA SURYA KUMAR CHANDRAGIRI	
	18701A0315	HARI KATTIRAGANDLA	
	18701A0312	FAREED HUSSAIN SYED	
3	18701A0324	KAVITHA DHANI	Mechanical Behaviour Of Al 7075 By Reinforcing The Tio2& BN
	18701A0310	DHANUNJAYA REDDY KANDULA	
	18701A0327	LOKANATH REDDY ANNEM	
	18701A0320	JASWANTH NAIDU POTTHURU	
4	18701A0303	ARUN KUMAR REDDY CHIYYETI	Performance Test On Four Stroke Diesel Engine Using Biodiesel Produced From Waste Plastic Oil
	18701A0333	MANIKANTA SINGAVARAM	
	18701A0314	GOVARDHAN MALAKAPURAM	
	18701A0325	KRISHNA VARDHAN REDDY CHALLA	
	16709A0302	GANDLAPARTHI BAVESH TARUN REDDY	
5	18701A0302	ACHYUTH SAI KUMAR VISWABRAHMANA	Investigation Of Mechanical Properties Of Mg-Ca Composites
	18709A0301	CHADRASEKHAR KAMBAIAHGARI	
	18701A0304	ASHOK REDDY BOBBITI	
	18701A0334	MANJUNATHA REDDY UPPALAPATI	

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Batch	H.T.No	Name Of The Student	Title Of The Project
6	18701A0326	LEVANYA KUMAR PANDIGUNTA	Corrosion Resistance On PEO Coating Of Mgca Composition
	18701A0337	MUKESH BOYA	
	18701A0328	MADHU CHAPALA	
	19700A0301	KARAKAMUKKALA SAI BARA GANESH	
7	18701A0301	ABDUL MUKEETH SHAIK	Reverse Gear In Two Wheeler For Handicapped
	18701A0336	MOHAMMAD ALI SHAIK	
	18701A0329	MADHU SUDHAN G	
	18701A0331	MAHAMMAD SAMIULLAH SHAIK	
8	18701A0318	JABEER BASHA SHAIK	Optimization Of Effectiveness And Thermal Resistance Of Counter Flow Double Pipe Heat Exchanger By Using Gray Relational Analysis And Neural Network Model
	18701A0335	MANOHAR REDDY P	
	18701A0309	CHARAN KUMAR REDDY BOBBALA	
	18701A0322	JAYA RAMI REDDY KAVALAKUNTLA	
9	18701A0317	HEMASUNDHAR MANDLI	Optimization Of Process Parameters In Wire Edm For Stainless Steel -304 By Using Grey Relational Analysis
	18701A0319	JAIPALREDDY ALAMKONDA	
	18701A0313	GIRIKUMAR REDDY NERUSUPALLI	
	18701A0306	BHANU CHAITHANYA REDDY MUMMADI	
10	18701A0339	NARENDRA BABU PEDDATHIMMAYYA GARI	Effect Of Heat Treatment On Mechanical Properties Of Magnesium Metal Matrix Composites
	18701A0350	RAMESH BABU CHANNIPOGULA	
	18701A0357	SANTHOSH KUMAR REDDY NALLAMASULA	
11	18701A0361	SIVA KUMAR POLINA	Design And Fabrication Of Pneumatic Sheet Metal Cutting Machine
	18701A0358	SASIDHAR VARMA CHAMARTHI	
	18701A0344	PAVANKUMARACHARI RAVURU	

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Batch	H.T.No	Name Of The Student	Title Of The Project
	18701A0362	SREEKANTH N	
	18701A0348	PRUDHVI KUMAR REDDY NALAPAREDDY	
12	18701A0373	VENKATESH SOOLAM	Wear Behaviour Of Aluminium Hybrid Mmcs(AL7075/Tio2/WC)
	18701A0359	SHAKEER HUSSAIN MULLA	
	18701A0368	THARUN KUMAR REDDY GUDIPATI	
	18701A0351	RAVI ATLURU	
13	18701A0372	VENKATA VISHNUVARDHAN REDDY AVULA	Development Of The Hybrid Composites Of Al7075 By Reinforcing The Tio2 And WC
	18701A0353	RITHWIK KUMAR REDDY VUNDELA	
	18701A0375	VINODKUMAR REDDY SANEPALLI	
	18701A0355	SAI KUMAR DASARI	
14	18701A0363	SREEKAR REDDY ABBASANI	Corrosion Studies Of Duplex Coating On Magnesium Alloy For Orthopedic Applications
	18701A0364	SRINIVASA KALYAN ANKULAGARI	
	18701A0370	VENKATA KRISHNA REDDY GANGI REDDY	
	18701A0349	RAJESH KUMAR REDDY VENNAPUSA	
	18701A0354	SAI DEEKSHITH REDDY CHAMALA	
15	18701A0377	YASHWANTH PATHIPATI	Study And Kinematic Design Of Vcnc Based Multi Purpose Machine Tool
	18701A0352	RAVITEJA REDDY MADDIREDDYGARI	
	18701A0369	VAMSIKUMAR REDDY KATHI	
	18701A0356	SAIVARUN GANNE	
16	18701A0371	VENKATA SURESH PALETI	Experimental Investigation And Optimization Of CNC Milling Parameters On Al6063 Through Taguchi Method
	18701A0346	PRASANTH THALUPULA	
	18701A0360	SHARAN KRISHNA GUNIPINENI	

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Batch	H.T.No	Name Of The Student	Title Of The Project
	18701A0342	NIKHIL YERRAGOLLA	
	18701A0341	NAVEEN KUMAR CHERI	
17	18701A0365	SUDHAKAR REDDY RAGIPINDI	Investigation On Mechanical Properties Of Magnesium Metal Matrix Composite With Cryogenic Treatment
	18701A0343	NIRANJAN KUMAR REDDY JEEREDDY	
	18701A0376	VISHNU VARDHAN REDDY YALLAREDDYGARI	
	18701A0340	NARENDRA REDDY MANAMASU	
18	18701A0367	SURYA VAMSI THATI	Fabrication And Characterization Of Hybrid Polymer Composites Reinforced With Flax And Palm Fibers
	18701A0378	ZABIULLA SHAIK	
	18701A0374	VENUGOPAL KURUBA	
	17701A0351	GORLA SAI SREE HARSHA	
19	19705A0314	KADAPALLI JITHENDRA	Mechanical Characterization Of Bi Directional Woven Glass Fibre Reinforced Polymer Composite
	19705A0340	S.SHANMUKHA PRASAD	
	19705A0337	M.SALAUDDIN	
	19705A0333	U. RAJENDRA	
20	19705A0345	ERAGAMREDDY SUDHAKAR REDDY	Design And Fabrication Of Highway Wind Turbine
	19705A0336	AKEPATI SAICHANDU REDDY	
	19705A0346	MADDELA UDAYKUMAR	
	19705A0330	KOTA PRASHANTH	
	19705A0343	CHEPPALI SRINIVASULU	
21	19705A0302	BEENATHI ASHOK KUMAR	An Investigation On Corrosion Behaviourof Aluminium Hybrid Metal Matrix Composite
	19705A0303	VADDI BALA KRISHNA	
	19705A0353	DANDUBOINA VISHNU VARDHAN	
	19705A0315	SHAIK KALAAM BASHA	
22	19705A0324	BHUMIREDDY KRISTAMMAGARI NANDA HARI REDDY	Enhancing Heat Transfer Performance Of A Heat Excahnger By Coating Silver Nano Particles
	19705A0308	YARRAMREDDY HARI KESAVA REDDY	

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Batch	H.T.No	Name Of The Student	Title Of The Project
	19705A0338	DUDDALA SANJEEVA REDDY	
	19705A0313	BHAVIRISETTY JAYAKRISHNA	
23	19705A0326	NALLAGATLA NIRANJAN REDDY	Expermental Investigation O Mechanical Properties Of Crogenic Treated Magnesium Metal Matrix Composites
	19705A0352	SINGAM VINAY KUMAR REDDY	
	19705A0348	DODDOJU VEERA NAGA CHAITHANYACHARI	
	19705A0335	MUDIMELA REDDY BABU	
24	19705A0350	GAJULA VENKATA SURYA NARAYANA	Production And Quality Control On Iron Foundry
	19705A0312	SEETHAGARI JAYA KRISHNA	
	19705A0347	PAGIDALA UMA MAHESWAR REDDY	
	19705A0334	PULA RANI	
25	19705A0307	PASALA GOVARDAN	Experimental Investigation And Optimization Of Drilling Process Parameters On Conventional Drilling Machine For Aluminium Alloy(5052) Materials By Using Fuzzy And Taguchi Method
	19705A0309	PIDIGUNDLA HARI PRASAD YADAV	
	19705A0328	KALLURI NOOR	
	19705A0331	GADDA PRAVEEN KUMAR	
26	19705A0310	P. HARINATH REDDY	Machining Of Brass & Analyzing The Machining Characterstics By Fuzzy And Taguchi
	19705A0318	U. LOKESWARA REDDY	
	19705A0317	D. KODANDA RAMI REDDY	
	19705A0319	B. MAHESH	
27	19705A0322	SHAIK MOHAMMAD FAROOQ	Experimental Investigation And Optimization Of Graphite Material Through Taguchi Method In CNC Drilling
	19705A0301	SHAIK ARSHAD	
	19705A0342	TENALI SRIDHAR	
	19705a0321	ANKIREDDY MAHESHWARA REDDY	
28	19705A0351	MADAKA VIJAY KUMAR	Fabrication Of 360° Wheel Rotation Vehicle With Bluetooth Sensing
	19705A0354	ADENA KATAMAIAHGARI YUGANDHAR REDDY	

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Batch	H.T.No	Name Of The Student	Title Of The Project
	19705A0332	BUCHUPALLI PRAVEEN KUMAR REDDY	
	19705A0329	LAKKIREDDY PARTHA SARADHI REDDY	
29	19705A0320	MASINENI MAHESH NAIDU	Fabrication Of Solar Powered Sand Sieve
	19705A0304	GUDURU CHARAN KUMAR	
	19705A0349	BANTROTHU VENKATA SIVA TEJA	
	19705A0306	POTHA DINESH	
30	19705A0323	SHAIK MUNWAR BASHA	Effective Parameter For Over All Haet Transfer Coefficient For Counter Flow-Double Pipe Heat Exchanger By Using Hybrid Optimization
	19705A0311	KONDAMARRI HEMANTH REDDY	
	19705A0327	RAJOLI NIRANJAN REDDY	
	19705A0316	INDLAKISHOREKUMARREDDY	
31	19705A0339	DEVIREDDY SARATH CHANDRA REDDY	Development Of Manual Electro Magnetic Braking System
	19705A0341	YEDUGURI SIVA MALLESWAR REDDY	
	19705A0344	GUJJALA SUBHASH KUMAR REDDY	
	19705A0325	YADAVA NAVEEN KUMAR	

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B.NO	HT.NO	Name of the Candidate	Title of the project
1	19701A0547	HEMALATHA KARUMURI	Handwritten text recognition using Machine Learning
	19701A0563	LAKSHMI CHAVVA	
	19701A0524	CHINNA PULI RAJU NAKKANADODDI	
	19701A0551	ISMAIL ZABIULLA SHAIK MANDEM	
	19701A0505	ANIL KUMAR DONDAPATI	
2	19701A0560	KAVYA SREE J	Crop yield prediction using Machin Learning algorithm for sustainable agrarian Application.
	19701A0501	AKHIL REDDY BHUMIREDDY	
	19701A0549	HIMA BINDU KATTE	
	19701A0520	CHAKREEDHAR REDDY GOSULA	
	18701A0530	HAIPRIYA KONETI	
3	19701A0502	ALEKHYA REDDY MANNURU	Delivery tracking system using Block Chain
	19701A0535	GAYATHRI GOSALA	
	19701A0526	DHATTHATHREYA POOJARI	
	19701A0518	CHAITHANYA MANNEM	
	19701A0512	BHARGAVA REDDY YAMMANURU	
4	19701A0503	AMRUTHA SAI CHINTHA	Implementation of AI based protective mask detector
	19701A0533	GANESH KUMAR REDDY MARAPAREDDYGARI	
	19701A0509	ARUNKUMAR MANGALI	
	19701A0513	BHARGAVI AVULA	
	19701A0554	JYOSHNA BURRI	
5	19701A0541	HARIKA PASUPULETI	Twitter sentiment analysis in Real Time
	19701A0523	CHARITHA PUPPALA	
	19701A0534	GANESH MEDIKONDU	
	20705A0502	CHINNA PULI RAJU NAKKANADODDI	
	19701A0510	BALAJI NAIK JARPALA	
6	19701A0508	ANUSHA PAPPU	A computational and analytical approach for cloud computing security with user data management
	19701A0536	GEETHA CHOWDARY ALLU	
	19701A0521	CHANDRA SEKHAR MAJJARI	
	19701A0511	BANU PRASAD KATTA	
7	19701A0516	BHAVYA SRI KUMMITHA	Improvement in automated diagnosis of liposarcoma using Machine Learning
	19701A0546	HEMALATHA EDIGA	
	19701A0522	CHARITHA DADANA	
	19701A0543	HARSHAVARDHAN RAJU HASTI	

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B.NO	HT.NO	Name of the Candidate	Title of the project
	19701A0504	ANIL KARANAM	
8	19701A0559	KAVITHA KANCHAM	Facial Mask detection in smart city network using Convolutional Neural Network with long short term memory(CNN-STM).
	19701A0564	LAKSHMI DEVI POTTETI	
	19701A0530	DIVYASREE ALLURI	
	20705A0501	DEEPA GANADIPALLI	
	19701A0517	BHUPAL REDDY GUNDREDDY	
9	19701A0531	DURGA MAHESH KASALA	Sign language to speech translation using convolutional neural network
	19701A0545	HEMA BONAM	
	19701A0528	DIVYA BAJANTRI	
	20705A0503	AMRUTHA SAI CHINTHA	
	19701A0556	JYOTHIRMAI MURATHOTI	
10	19701A0519	CHAKRAPANI DANDU RANGAYAPALLI	Kull back-Liebler(KL) divergence based feature selection for image texture classification
	19701A0561	KAVYA YELCHURU	
	19701A0548	HEMALATHA MUMMADI	
	20705A0504	VENKATABHARATH KOLISETTY	
	19701A0527	DINITHA KASIREDDY	
11	19701A0532	FAIROZ BEGUM SHAIK	Predictive analytics with Machine Learning for fraud detection of online marketing transactions
	19701A0537	GEETHA MURAPU REDDY	
	19701A0538	GIRISH KUMAR BETHE	
	19701A0525	DEEPA GANADIPALLI	
	19701A0542	HARSHA VARDHAN REDDY MULA	
12	19701A0529	DIVYA BODA	Detecting Pedestrians by Infrared Images at Night Through the Yolo-V3 Detection Frame work.
	19701A0507	ANUSHA DEVI GUDDETI	
	19701A0562	KRISHNA SAI REDDY CHAVVA	
	19701A0539	GOWTHAM REDDY DINNEPATI	
13	19701A0544	HARSHITHA SOMA	Phishing detection using Machine Learning techniques
	19701A0552	JAHNAVI KORE	
	19701A0555	JYOTHIRMAI KURUMALA	
	19701A0540	GUNA HARSHITHA THIPPIREDDY	
14	19701A0515	BHARGAVI VATHALURU	Phishing detection using Machine Learning techniques
	19701A0550	INDRESWARA ACHARI GANDIKOTA	
	19701A0553	JAYASANKAR REDDY YARRAMREDDY	
	19701A0514	BHARGAVI MAHADEVAPALLI	

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B.NO	HT.NO	Name of the Candidate	Title of the project
15	19701A05B4	RANI UMALARAJU	Agricultural Supply chain management using Block chain Technology
	19701A0565	LAKSHMI PRASANNA SANGARAJU	
	19701A0593	NAZEER DUDEKULA	
	19701A05B2	RAM SAINATH YADAV YATHAM	
	19701A0591	NAVEEN KUMAR RODDA	
16	19701A0577	MASTHAN VALI PATAN	Detection and Prediction of air pollution using Machine Learning model.
	19701A05A0	PEDDA NEEHA KOUSAR DESHMUK	
	19701A05C6	SAI PRANATHI TALARI	
	19701A0587	NANDINI KOGARA	
	19701A05C8	SAIKANTH MEESALA	
17	19701A05C0	RESHMA SHAIK	Facial recognition privacy and security measures in Machine Learning
	19701A0597	PALLAVI MURABOYINA	
	19701A0594	NIHARIKA KURIMISETTY	
	19701A05A7	PREM KUMAR ORSU	
	19701A05B1	RAM MOHAN MANNEM	
18	19701A0566	LAKSHMIPRASANNA TALLAPUREDDY	Infectious disease patient count prediction using Machine Learning Algorithm
	19701A05C7	SAI VANDANA ETTA	
	19701A0574	MANOHAR REDDY NELLORE	
	19701A05B9	RENUKA KATLA	
	19701A0590	NAVEEN KUMAR PEDDAKOLIMI	
19	19701A0580	MOUNIKA MAITY	Machine Learning Based Network Intrusion Detection For Cyber Security
	19701A05A2	PRAMOD BOBBURI	
	19701A0578	MASTHAN VALLI NADENDLA	
	19701A05A5	PRANATHI YEDDULAPALLI	
	19701A0571	MALLIKARJUNA MODEM	
20	19701A05C2	SAI DEEPTHI LAGIDI	Detection of untruthful reviews using Machine Learning Models.
	19701A05A8	PRUTHVI RAJ BALLA	
	19701A05C3	SAI KEERTHANA CHAVVA	
	19701A05B7	RAYAN AHAMED SYED	
	19701A0569	MADHURI VEMURI	
21	19701A05C4	SAI LEELA HASTHAVARAM	Data Deduplication integrity checking with an authorized authenticator
	19701A0585	NAGA NAVYA SREE KOONA	
	19701A0579	MOHAMMED ARSHAD SHAIK	

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B.NO	HT.NO	Name of the Candidate	Title of the project
	19701A0583	NAGA ARUDRA KUMAR SANJAPURI	and protecting privacy of data
	19701A05A3	PRAMUKHA MUKKA	
22	19701A05C9	SAMEERA SYED	Soft Computing technique for block chain enabled secure Health Care system
	19701A0596	NITHESH MUMMINENI	
	19701A05A9	RAJASEKHAR REDDY YERABOLU	
	20705A0507	JAHNAVI SANNIDHI	
	19701A0595	NIKHITHA GALI	
23	19701A0581	MOUNIKA PARLAPALLI	Accident severity detection using a Machine Learning Algorithm
	19701A0568	LIKHITHA PEDDAMANDEM	
	19701A05A4	PRANATHI BHOOMIREDDY	
	20705A0506	ANIL KUMAR DONDAPATI	
	19701A05B6	RAVITEJA PASAM	
24	19701A05B3	RAMADEVI CHENNA	Forward secure public key encryption with keyword search for outsourced Cloud Storage
	19701A0584	NAGA JYOTHI CHALLA	
	19701A0567	LAVANYA BELLAM	
	19701A0588	NARASIMHA DABBARAPALLI	
25	19701A0586	NAGANANDINI BALA	Ensuring the Security of logistic Information and data querying using searchable encryption algorithms and block chain.
	19701A0573	MANJUULA BAPANAPALLI	
	19701A0572	MANJUNATH SADDALA	
	19701A05C1	RUPA GOLLAPALLE	
26	19701A0570	MAIMOON SHAIK	To improve accuracy of heart disease by using machine learning classification technique .
	19701A0592	NAVEENAJYOTHI JUTURU	
	19701A05B5	RAVI SANKAR REDDY RAMIREDDY	
	19701A0599	PAVANI CHENNANGI	
	19701A0589	NARENDRA KUMAR RAJU KONDURU	
27	19701A0598	PALLAVI NARREDDY	Advanced key access security system on cloud computing
	19701A05A6	PRAVALIKA SREE RAMDASU	
	19701A0576	MANOJ KUMAR REDDY PALAGIRI	
	19701A05D0	SANDEEP YERRAGUDI	
28	19701A05D5	SHANTHI BOMMEPALLI	Machine Learning Based Android App Recommendation System
	19701A05E5	SRAVANI ANKIREDDY PALLI	
	19701A0517	BHUPAL REDDY GUNDREDDY	
	19701A05H6	VEMALATHA GUMMIREDDY	

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B.NO	HT.NO	Name of the Candidate	Title of the project
	19701A05D6	SHARAN KUMAR NAIDU PATHAKAMURI	
29	19701A05B8	REDDI SRI POLARAPU	AI enabled secured transportation system
	19701A05A1	POORNA POTTURU	
	19701A0582	MUJTABA FURQHAN SYED	
	19701A05C5	SAI MOHAN REDDY MUSARA	
30	19701A05H2	VASUDEVA REDDY TAMATAM	Prediction of app success using Machine learning Algorithms
	19701A05I1	VENKATA RAVINDRA YADAV VAJJALA	
	19701A05H5	VEERA NAGA JAHNAVI AITHA	
	19701A05D4	SHANMUKHA SRINIVASULA REDDY MOPURU	
	19701A05I4	VENKATA THANUJA NARALA	
31	19701A05G9	VAMSI VISWANADHAM	Road and Pothole segmentation using Attention Based coupled framework
	19701A05H1	VARUN RACHARLA	
	19701A05D1	SANDHYA NARAPUREDDY	
	19701A05G5	UMA SANKAR JANGITI	
	19701A05E6	SRAVANI GALISETTY	
32	19701A05E4	SRAVANA SANDHYA MALLU	Identification of Hate Speech using Natural Language Processing and Machine Learning
	19701A05H0	VARA LAKSHMI CHENCHELA	
	19701A05G1	THARUN NETTYAM	
	19701A05G3	THARUN YEDDALAPALLI	
33	19701A05H8	VENKATA GOUTHAM RAJU BALARAJU	Classification of Challenges and Solutions in Face Recognition using Intelligent Systems
	19701A05F4	SUSMITHA KOVURU	
	19701A05E0	SINDHUJA NAGIREDDY	
	20705A0513	SUSHMA GOURU	
	19701A0518	CHAITHANYA MANNEM	
34	19701A05D9	SIDDESWARI RATALA	Malicious website identification and detection using machine learning approach
	19701A05E1	SIVA SHANKAR RUDRAVARAM	
	19701A05F3	SUSHMITHA CHAPPIDI	
	20705A0515	KRISHNA SAI REDDY CHAVVA	
	19701A0519	CHAKRAPANI DANDU RANGAYAPALLI	
35	19701A05F9	TEJASWINI REDDY SATTARU	A Novel Dish Recognition Method Using Deep Learning
	19701A05J1	VISWA SAI REDDY NADIPANNAGARI	
	19701A05F5	SUSMITHA SURANNAGARI	
	20705A0510	RAM MOHAN MANNEM	

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B.NO	HT.NO	Name of the Candidate	Title of the project
	19701A05E2	SOHAIL SHAIK	
36	19701A05D3	SHAHIN SULTHANA SYED	Recognition of Intrusion Risk in New Emerging Threats.
	19701A05J2	VYSHNAVI SOMAGUTTA	
	19701A05J0	VISHNU VARDHAN RATHANA	
	19701A05G6	VAMSEE A	
37	19701A05E9	SREE HARITHA NAGAMALLA	Vehicle License Plate Detection Open CV and Tesseract OCR
	19701A05I2	VENKATA SAI KRISHNA GANDLA	
	19701A05H3	VEENA JASMINE ALLURI	
	20701A0514	THARUN RAJU A	
	19701A05G8	VAMSI KRISHNA VADLA	
38	19701A05G4	UJJWALA MEDIDHARAJU	Real time object detection with audio feedback using yolo-v3.
	19701A05I5	VENKATABHARATH KOLISETTY	
	19701A05F1	SUDEEP M	
	20705A0517	VISHAL N	
	19701A05I0	VENKATA RAMANA CHEEDELLA	
39	19701A05H9	VENKATA PADMA MEGHANA SUDA	Spam message identification using machine learning approach.
	19701A05F2	SUSHMA DESU	
	19701A05H7	VENKATA GIRIDHAR POTHURAJU	
	19701A05I3	VENKATA SRINIVASULU THOTA	
	19701A05I6	VENKATESHWARA REDDY AC	
40	19701A05E3	SOWMYA KUMMITI	ClassificationOf Employees For Personalized Professional Training Using Machine Learning And smote
	19701A05D8	SIDDARTHA MACHARLA	
	19701A05D7	SHASIKUMAR K J	
	19701A05F6	SWATHI INDLA	
41	19701A05F7	SWETHA KOTULURU	Fake job detection using machine learning approach.
	19701A05G2	THARUN REDDY MOPURU	
	19701A05E8	SRAVANI KOMMOORI	
	19701A05F0	SUBRAMANYAM BULAGONDA	
42	19701A05F8	SYAM KUMAR PALETI	Real time attendance access control with face recognition .
	19701A05G0	THANUSHA ARIGONDA	
	19701A05E7	SRAVANI GANGIREDDY	
	19701A05G7	VAMSI KRISHNA SANGEETHAM	
43	19709A0534	SURESH DONKA	Credit card Fraud

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B.NO	HT.NO	Name of the Candidate	Title of the project
	19709A0558	THAHSEEN NIDIMAMIDI	detection :An evaluation of Machine learning methods performance using Smote and Ada boost
	19709A0514	DHANA LAKSHMI DURAGADDA	
	19709A0544	SEENU VAMSARAJULA	
	19709A0561	VEDA PRAKASH REDDY VATTAM	
44	19709A0553	SUDHA DAMPETLA	Prediction of Heart Disease Using Machine Learning Algorithms With Relief Feature Techniques
	19709A0501	AJAY KUMAR CHAGANTI	
	19709A0556	SUSHMITHA CHINREDDY	
	19709A0552	SUCHITRA KOMATI REDDY	
	19709A0537	NAVEEN KUMAR REDDY JAGU	
45	19709A0528	LAKSHMI PRASANNA KUPPALA	DDOS Attacks and Defense Mechanisms Using Machine Learning Techniques for SDN.
	19709A0525	KESAVA KAVYA SREE HARIYAPURAJU	
	19709A0503	ANURADHA KOTAPATI	
	19709A0507	BADRI NATH TUPPADA	
	19709A0546	SHOWKAT ALI SYED	
46	19709A0529	LIKITHA REDDY GANTA	Next generation risk stratification of ICU patients using Machine Learning
	19709A0560	VARSHITHA OBILI	
	19709A0506	ASMA AFRIN SHAIK CHAMPAGARI	
	20705A0501	VENKATA GOUTHAM RAJU BALARAJU	
	19709A0542	RAHUL GAJULA	
47	19709A0513	DEEPA SUNKIREDDY	Sentiment And Emotion Classification Using Convolutional Neural Networks With Long Short Term Memory(CNN-LSTM).
	19709A0511	CHARITHA AMMALLADINNE	
	19709A0533	MANOJ KUMAR DASARI	
	19709A0543	SAI VENKAT NIMMAGADDA	
	19709A0536	NAGASREE JONNA	
48	19709A0522	JAHNAVI SANNIDHI	Employing machine learning , a multiclass prediction model for the student grading system.
	19709A0541	PAVAN KUMAR REDDY DUMPALA	
	19709A0531	MADHURI AKKALADEVI LUMBHINI	
	19709A0554	SURESH DONKA	
	18701A05E7	SWETHA NIMMAGALLU	
49	19709A0549	SRIMAYEE ELLURU	A comparative analysis of machine learning algorithm for short-term load forecasting in smart grid
	19709A0548	SNEHALATHA PATURU	
	19709A0515	DILIP KUMAR BYELLA	
	19709A0530	LOKENDRA BEEMARPU	

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B.NO	HT.NO	Name of the Candidate	Title of the project
50	19709A0519	HARINI THIMMAREDDY	Predict customer churn through customer Behaviour using machine learning algorithms.
	19709A0555	SUSHMA GOURU	
	19709A0510	CHARANKUMAR REDDY PONNAPUREDDY	
	19709A0535	MOHAMMAD THAHIR SHAIK	
51	19709A0527	LAKSHMI DURGA NARAMREDDY	Covert channel detection in Wireless sensor network.
	19709A0550	SRUTHI GUJJULA	
	19709A0516	HARI PRATHAP NEELAM	
	19709A0523	JASWANTH REDDY BAREDDY	
52	19709A0518	HARINI SANNITHI	Online payment system using QR code.
	19709A0532	MAHENDRA BABU ALA	
	19709A0539	NISHAD PETA	
	19709A0505	ARUN CHANDRA MALLAPU	
53	19709A0545	SEETHA THAMMISETTY	A machine learning technique to detect signature based malware.
	19709A0504	APARNA KADIYALA	
	19709A0521	JAHNAVI KONDURU	
	19709A0547	SIVA PRIYA CHAPALAMADUGU	
54	19701A05B3	RAMADEVI CHENNA	Forward secure public key encryption with keyword search for outsourced Cloud Storage
	19701A0584	NAGA JYOTHI CHALLA	
	19701A0567	LAVANYA BELLAM	
	19701A0588	NARASIMHA DABBARAPALLI	
	20705A508	CHAKRAPANI DANDU RANGAYAPALLI	
55	19701A0586	NAGANANDINI BALA	Ensuring the Security of logistic Information and data querying using searchable encryption algorithms and block chain.
	19701A0573	MANJUULA BAPANAPALLI	
	19701A0572	MANJUNATH SADDALA	
	19701A05C1	RUPA GOLLAPALLE	
56	19709A0534	SHOWKAT ALI SYED	Credit card Fraud detection :An evaluation of Machine learning methods performance using Smote and Ada boost
	19709A0534	VENKATA GIRIDHAR POTHURAJU	
	19709A0534	SEETHA THAMMISETTY	
	19709A0534	JYOTHSNA ALISETTY	
	19709A0534	FAIROZ BEGUM SHAIK	

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LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2022-23			
S.NO	**Hall ticket No**	**Name of the Student**	**Name of the Title**
1	21701E0001	AHALYA KURAPATI	A Study on financial statement analysis in APGENCO
2	21701E0002	ALLABAKASH SHAIK	A Study on Customer satisfaction in Bharathi Airtel LTD
3	21701E0003	ANJALI POLISETTY	A study on liquidity and profitability analysis in APGENCO
4	21701E0004	ANUSHA SEETHAGARI	A study on Employee retention strategies in BBI LTD
5	21701E0005	ARIFULLA PATTAN	A study on Brand loyalty in Bharathi cement corporation private LTD
6	21701E0006	ARIFUNNEESA SHAIK	A study on cash flow Analysis in KCP sugar and industries corporation LTD
7	21701E0007	BALAJI NARUBOINA	A study on financial performance in BSNL
8	21701E0008	BHANUPRAKASH SINGAMALA	A study on inventory management in Dodla Dairy LTD
9	21701E0009	CHARAN KUMAR JALLI	A study on capital budgeting in Anantha PVC pipes LTD
10	21701E0010	DILEEP KUMAR MARAM	Mutual fund comparison and Analysis in HDFC Bank
11	21701E0011	GOPI DOORI	A study on working capital on profitability in Shivasakthi Dairy Pvt Ltd
12	21701E0012	HARI PRIYA NANDYALA	Receivables Management in Nagarjuna Fertilizers and chemicals LTD
13	21701E0013	JABEER SHAIK	A study on liquidity and profitability analysis in Sri Ram Bajaj
14	21701E0014	JAYAPRAKASH SIVARAMGARI	A study on receivable management in Dodla Dairy LTD
15	21701E0015	JAYASURYA VARIKUTI	A study on fixed Assets Management in Bharathi Airtel LTD
16	21701E0016	JYOTHI SANGINADHAM	A study on performance Appraisal in Bharathi Airtel LTD
17	21701E0017	JYOTHI THUMMISETTY	A study on training and development in SPDCL
18	21701E0018	JYOTHSNA ARCOT	A study on performance Appraisal in HCl technologies
19	21701E0019	KALYAN MANDA	A study on inventory management in Penna Cement Industries LTD
20	21701E0020	KARTHIK KAPERLA	A study on capital structure in Nandi pipes Private LTD
21	21701E0021	KARTHIK REDDY O P	A study on portfolio Management in Reliance mutual Funds
22	21701E0022	KHAN LODI FATEH	A study on impact of marketing on consumer buying behaviour in Hirola solutions
23	21701E0023	LAHARI BOLLAPU	A study on financial leverage in Chaitanya chemicals
24	21701E0024	LAKSHMI NARASAIAH TANGUTURU	A study on capital structure in Chaitanya chemicals
25	21701E0025	LAKSHMI NARASIMHA RAJU DOMMARAJU	A study on consumer behaviour in Heritage foods pvt ltd
26	21701E0026	LAKSHMI NITHEESHA NALLAGUNDLA	A study on fixed Assets Management in Monarch Networth capital
27	21701E0027	LATHA PAGADALA	A Study on Inventory Management in Maruti suzukiLTD
28	21701E0028	LEKHA AMANCHI	A study on training and development in HDFC Bank
29	21701E0029	LINGA REDDY CHALLA	A study on cash Management in Hindustan coca cola Bevarages LTD
30	21701E0030	MADAN MOHAN REDDY BOGGULA	A study on financial performance in Zuari cement Ltd

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31	21701E0031	MALLIKARJUNA ENUGOLU	A study on cash Management in Zuari cement Ltd
32	21701E0032	MALLIKARJUNA THANGA	A study on performance evaluation of selected mutual funds in ICICI mutual Funds Ltd
33	21701E0033	MALLIKHARJUNA RAJU GADIRAJU	A study on receivable management in Sagar cements Ltd
34	21701E0034	MAMATHA ARVA	A study on funds flow statement in Shivasakthi Dairy Pvt Ltd
35	21701E0035	MANASA KALADI	A study on career Planning and development in Decathlon sports India Pvt Ltd
36	21701E0036	MANISHA MUKKAMALLA	A study on working capital management in Bharathi cement corporation private LTD
37	21701E0037	MANJULA BIJJIVARAM	A study on capital structure in Heritage foods pvt ltd
38	21701E0038	MOHAMMED MOHIDDIN SHAIK	A study on employee job satisfaction in IT sector in Cognizant Technology solutions
39	21701E0039	MOHAMMED SAYEED SHAIK	A study on financial planning and forecasting in Srikalahasthi Pipes Limited
40	21701E0040	MOULALI SHAIK	A study on fixed Assets Management in Srikalahasthi Pipes Limited
41	21701E0041	MOUNIKA PASUPULETI	A study on performance Appraisal process in BBI LTD
42	21701E0042	MOUNIKA THIPPANNAGARI	Financial Planning and forecasting in Dodla Dairy LTD
43	21701E0043	NAGA DIVYA CHALAMSETTY	A study on comparative balance sheet in Hindusthan coca cola Bevarages LTD
44	21701E0044	NAGRAJ GNANAMKONDA	A study on risk return in India Stock Market in IIFL
45	21701E0045	NIHARIKA NALLAKALVA	A comparative study on effectiveness of Technological Innovations in Banking Sector in ICICI Bank
46	21701E0046	PAVAN KUMAR BOGGANNAGARI	A study on customer perception in Hindusthan coca cola Bevarages LTD
47	21701E0047	RAJA SEKHAR AGADURU	A study on cash flow statement in Tirumala Milk Products Pvt Ltd
48	21701E0048	RAJAKUMARREDDY GANGIREDDY	A study on customer satisfaction in Bharathi cement corporation private LTD
49	21701E0049	RAJESWARI KAVETI	A study on working capital management in Tirupathi cotton Mills
50	21701E0050	RAJYA LAKSHMI DARLA	A study on cash Management in Galla foods Pvt Ltd
51	21701E0051	RAKESH KUMAR REDDY CHINTAMREDDY	A study on customer relationship Management in Fullerton India Ltd
52	21701E0052	RAMYA SREE PURANDARE	A study on working capital management in Nandi polymers India Pvt Ltd
53	21701E0053	RANI KALLURU	A study on inventory management in Amara Raja Batteries Ltd
54	21701E0054	REDDAMMA CHALLA	A study on recruitment and Selection in Roshini Micro systems Ltd
55	21701E0055	SAIMURALI GOUD GUNDRATHI	A study on brand awareness in Nandi pipes Private LTD
56	21701E0056	SARITHA ERAGABOYANA	A study on mutual funds in Kotak Mahindra Bank Ltd
57	21701E0057	SHARMILA SOMALRAJU	A study on financial Derivatives in Karur vysya Bank

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58	21701E0058	SHIVA KUMAR REDDY PUCHAKAYALA	A study on financial performance in SPDCL
59	21701E0059	SHIVA NAKKA	A study on financial statement analysis in APMDC
60	21701E0060	SHOYAB SYED	A study on customer satisfaction in ITC Ltd
61	21701E0061	SIRISHA MASINENI	A study on cash flow statement in ICICI Prudential Life Insurance
62	21701E0062	SISINDRI CHUDU	A study on budgetary control in SPDCL
63	21701E0063	SIVA KUMAR PUCHAKAYALA	A study on Budgetary control in TATA Motors
64	21701E0064	SIVA KUMAR RAJU CHOKKARAJU	A study on financial statement analysis in R K Enterprises
65	21701E0065	SIVA LAKSHMI BOYANA	A study on fixed Assets Management in MS Sujala Pipes Pvt Ltd
66	21701E0066	SIVA SANKAR REDDY MEEGADA	A study on financial performance using Ratios in Bharathi cement corporation private LTD
67	21701E0067	SIVA SWETHA MOOLI	A study on impact of working capital management in Nagarjuna Fertilizers and chemicals LTD
68	21701E0068	SIVAMMA KODURU	A study on inventory management in Ultratech cement Ltd
69	21701E0069	SOMA SEKHAR REDDY BOBBITI	A study on funds flow analysis in Ultratech cement Ltd
70	21701E0070	SOUNDARYA PABBATHI	A study on performance evaluation of selected mutual funds in ICICI mutual Funds Ltd
71	21701E0071	SRAVANI AKULA	A Study on Risk Management in Dr Reddy's Laboratories
72	21701E0072	SRAVANI ARVETI	A study on systematic investment plan in SBI Mutual funds
73	21701E0073	SRAVANI DUDDELA	A study on performance of mutual funds in Reliance mutual Funds
74	21701E0074	SREEHARI BOTTA	A study on receivable management Ultratech cement Ltd
75	21701E0075	SREELEKHA GAJULAPALLI	A study on impact on inventory management in NTPC
76	21701E0076	SRI SAI NANDEEP KUMAR PERUMALLA	A study on inventory management in Hindustan coca cola Beverages LTD
77	21701E0077	SRIHARIKRISHNA SOLLETI	A study on cash flow statement in Dixon Technologies Ltd
78	21701E0078	SUNIL KUMAR REDDY O P	A study on sales promotion in Reliance JIO Info comm Ltd
79	21701E0079	SUSHMA BOBBURI	A study on budgetary control in HDFC Bank
80	21701E0080	SWATHI TALLAPANENI	A study on performance evaluation of selected mutual funds in SBI Mutual funds
81	21701E0081	TEJA ANDE	A study on financial statement analysis in Capricorn Food products Ltd
82	21701E0082	TULASI AMADASANI	A study on comparative statement Analysis in Amara Raja Batteries Ltd
83	21701E0083	UMAR FAROOQ SHAIK	A study on working capital management in Heritage foods pvt ltd
84	21701E0084	VANDANA CHALLA	A study on performance appraisal in Heritage foods pvt ltd
85	21701E0085	VARALAKSHMI RAGINUTHALA	A study on training and development in Bharathi cement corporation private LTD

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86	21701E0086	VASCHALYA JANJARAPU	A study on employee job satisfaction in Srikalahasthi Pipes Limited
87	21701E0087	VASU GAJANA	A study on working capital management in Zuari cement Ltd
88	21701E0088	VIJAYA LAKSHMI THIRUMALASETTI	A study on cash Management in Visakha Industries
89	21701E0089	PAVAN KUMAR REDDY NALLADIMMU	A study on cash flow statement in Amara Raja Batteries Ltd

Head of the Department
Master of Business Administration
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Academic Year 2022-23

II year Semester - II (Project & Comprehensive Viva))			
S. No	**Course Code**	**Course Name**	**Credits**
1	20DF41P	Project work	16
2	20DF42C	Comprehensive Viva-Voce	2
		Total	**18**

S. No	Register Number	Name of the Student	Title of the Project
1	21701F0001	ABDUL VAHEED GAGGUTURU	CROSS -PLATFORM IDENTIFICATION OF ANONYMOUS AND IDENTICAL USERS IN MULTIPLE SOCIAL MEDIA NETWORKS
2	21701F0002	ADISEKHAR BABU KOTTAMIDDE	ANIMAL DETECTION IN FARMS USING OPEN CV
3	21701F0003	AJITH MIRIYAM	PROTECTING YOUR SHOPPING PREFERENCE WITH DIFFERENTIAL PRIVACY
4	21701F0004	ANAND BASANABOYINA	ACCOUNTABLE PROXY RE-ENCRYPTION FOR SECURE DATA SHARING
5	21701F0005	ANILKUMAR KOLANUPAKA	RESUME SCANNER
6	21701F0006	ANILKUMAR REDDY JUTURU	SOIL TESTING APP
7	21701F0007	ANITHA LINGALA	ENABLING SECURE AND SPACE-EFFICIENT METADATA MANAGEMENT IN ENCRYPTED DEDUPLICATION
8	21701F0008	ANNAREDDY MITTAPALLE	DATA INTEGRITY AUDIT SCHEME BASED ON BLOCK CHAIN EXPANSION TECHNOLOGY
9	21701F0009	ANUSHA NANDYALA	TOOL FOR EASY MANAGEMENT OF FILES AND DIRECTORIES
10	21701F0010	ARAVIND KUMAR REDDY GANGULA	THE APPLICATION OF MACHINE LEARNING TECHNIQUES FOR PREDICTING MATCH RESULTS IN TEAM SPORT
11	21701F0011	ARUN KUMAR DARLA	ADVANCE SECURITY IN CLOUD COMPUTING FOR MILITARY WEAPONS
12	21701F0012	ASHRAF ALI SHAIK	CYBER HACKING BREACHES PREDICTION USING MACHINE LEARNING
13	21701F0013	BABA VALI MUTTALA	CLOUD COST OPTIMIZATION FOR PROVIDERS AND USERS
14	21701F0014	BHARATH KUMAR REDDY BOGATHI	AN IRIS RECOGNITION ALGORITHM FOR IDENTITY AUTHENTICATION
15	21701F0015	BHARATHI DASARI THIRUPELUGARI	SMART VOTING SYSTEM USING DEEP LEARNING AND COMPUTER VISION
16	21701F0016	BHARATHSIMHA REDDY KARNATI	NORMALIZATION OF DUPLICATE RECORDS FROM MULTIPLE SOURCES
17	21701F0017	BHARGAVI KONREDDY	A SECURE ANTI COLLISION DATA SHARING FOR DYNAMIC GROUPS IN THE CLOUD
18	21701F0018	BHARGAVI VENNAPUSA	A FOREST FIRE IDENTIFICATION METHOD FOR UNMANNED AERIAL VEHICLE MONITORING VIDEO IMAGES
19	21701F0019	BHAVANI PRASAD AVVARU	WEB CLOUD WEB-BASED CLOUD STORAGE FOR SECURE

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			DATA SHARING ACROSS PLATFORMS
20	21701F0020	BHAVYA POLLOPALLI	A SECURE AND EFFICIENT CLOUD-CENTRIC INTEREST OF MEDICAL THINGS ENABLED SMART HEALTHCARE SYSTEM WITH PUBLIC VERIFIABILITY
21	21701F0021	CHANDRA OBULREDDY ANDLURU	BLOCKCHAIN FOR FINANCIAL APPLICATION
22	21701F0022	CHANDRALEKHA POOLA	LEVER SECURE DEDUPLICATED CLOUD STORAGE WITH ENCRYPTED TWO PARTY INTERACTIONS IN CYBER PHYSICAL SYSTEMS
23	21701F0023	CHANDRIKA MACHUNOORI	USING DATA MINING TO PREDICT HOSPITAL ADMISSIONS FROM THE EMERGENCY DEPARTMENT
24	21701F0024	CHANDU NALLAPANENI	QUANTUM-SAFE ROUND-OPTIMAL PASSWORD AUTHENTICATION FOR MOBILE DEVICES
25	21701F0025	CHENNA KESAVA REDDY KATTAMEEDI	HOUSE PRICE PREDICTION USING ENHANCED MACHINE LEARNING TECHNIQUES
26	21701F0026	DASTAGIRI BEE P	NOVEL XG-BOOST TUNED MACHINE LEARNING MODEL FOR SOFTWARE BUG PREDICTION
27	21701F0027	DEEKSHITHA GANGAVARAPU	AN EFFICIENT FEEDBACK CONTROL MECHANISM FOR POSITIVE OR NEGATIVE INFORMATION SPREAD IN ONLINE SOCIAL NETWORKS
28	21701F0028	DEEPIKA JUTTURU	MEDICAL REFERENCE SYSTEM
29	21701F0029	DEEPTHI NADINDLA	WEATHER REPORT MANAGEMENT SYSTEM
30	21701F0030	DHANAIAH YAMANA	ONLINE HOUSE CONSTRUCTION SUPPORTING SYSTEM
31	21701F0031	DIVAKAR NAIDU VALMIKI	OBJECT DETECTION WITH VOICE FEEDBACK
32	21701F0032	DIWAKAR PONNA	SEARCH RANK FRAUD AND MALWARE DETECTION IN GOOGLE PLAY
33	21701F0033	FAHEEMUDDIN SHAIK	DRIVER DROWSINESS CLASSIFICATION BASED ON EYE BLINK BY USING KNN ALGORITHM
34	21701F0034	FATHMA MAHABOOB SHAIK	AUTOMATION OF TOLL GATE
35	21701F0035	GANESH J	STUDENT PERFORMANCE ANALYSIS USING MACHINE LEARNING ALGORITHM
36	21701F0036	GANESH MALLELA	INSTANT PLASMA DONOR RECIPIENT CONNECTED WEB APPLICATION
37	21701F0037	GANGA SRAVANI KAKARLA	AN EFFICIENT SPAM DETECTION TECHNIQUE OF AN IOT DEVICES USING MACHINE LEARNING
38	21701F0038	GAYATHRI KALLURU	SMART ATTENDANCE SYSTEM USING FACE RECOGNITION
39	21701F0039	GEETANJALI BAIMUTAKA	MACHINE LEARNING BASED-RAINFALL PREDICTION
40	21701F0040	HARIBABU RAJABOYINA	ONLINE VENUE BOOKING
41	21701F0041	GIRIJA SRIRAMDAS	DETECTION OF DIABETES AND OTHER COMPLICATIONS WITH DEEP LEARNING AND DATA AUGMENTATION TECHNIQUES
42	21701F0042	GOWTHAM KUMAR REDDY DAYYAM	TRAIN YOUR BRAIN
43	21701F0043	GOWTHAMI PIDUGU	DETECTING AND CHARACTERIZING EXTREMIST REVIEWER GROUPS IN ONLINE PRODUCT REVIEWS
44	21701F0044	GURU PRASAD MUPPE	EYE BLINK COUNTER AND ANALYSER

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45	21701F0045	HARI PRASAD NAGELLA	ONLINE PRODUCT REVIEW SYSTEM
46	21701F0046	HARIBASHA TANGUTURU	GOVERNMENT CONSTRUCTION PROJECT BUDGET PREDICTION USING ML
47	21701F0047	HARINATH REDDY KUNCHAM	IMAGE BASED PLANT DISEASE DETECTION A COMPARISON OF DEEP LEARNING AND CLASSICAL MACHINE LEARNING ALGORITHMS
48	21701F0048	HARITHA CHENNAM	ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING ML ON TWEETS
49	21701F0049	HARSHA VARDHAN RUDRAVARAM	PRIVACY PRESERVING PUBLIC AUDITING PROTOCAL FOR CLOUD BASED MEDICAL STORAGE SYSTEMS
50	21701F0050	HEMALATHA HASANAPURAM	EFFICIENT REGULAR LANGUAGE SEARCH FOR SECURE CLOUD STORAGE.
51	21701F0051	HEMANTH KUMAR DASARI KASETTY	PRIVACY PRESERVING DATA SECURITY MODEL FOR CLOUD COMPUTING TECHNOLOGY
52	21701F0052	IMRAN SHAIK	COMPOSITE BEHAVIORAL MODELING FOR IDENTITY THEFT DETECTION IN ONLINE SOCIAL NETWORKS
53	21701F0053	JASWANTH GUVVALA	DYNAMIC CONTROL OF FRAUD INFORMATION SPREADING IN MOBILE SOCIAL NETWORKS
54	21701F0054	JOSHNA MUDDALURU	MACHINE LEARNING -BASED PROTOTYPING OF GRAPHICAL USER INTERFACES FOR MOBILE APPS
55	21701F0055	JYOTHISH VARMA JINKA	PRIVACY PRESERVING MEDIA SHARING WITH SCALABLE ACCESS CONTROL AND SECURE DEDUPLICATION IN MOBILE CLOUD COMPUTING
56	21701F0056	KARTHIK S	PARKING MANAGEMENT SYSTEM
57	21701F0057	KAVERI GEETHALA	A MACHINE LEARNING TECHNIQUE TO DETECT THE SIGNATURE BASED MALWARE
58	21701F0058	KEERTHANA SINGAREDDIGARI	MACHINE LEARNING BASED EARLY FIRE DETECTION SYSTEM
59	21701F0059	LAKSHMI DEVI MAMILLA	COVERT CHANNEL DETECTION: MACHINE LEARNING APPROACHES
60	21701F0060	LAKSHMI NARAYANA REDDY VALLURU	TRAFFIC RULES VIOLATION DETECTION USING DEEP LEARNING
61	21701F0061	LAKSHMINATH AVULA	A CLOUD SECURE STORAGE MECHANISM BASED ON DATA DISPERSION AND ENCRYPTION USING CLOUD COMPUTING
62	21701F0062	LAVANYA MALLU	CRIMINAL IDENTIFICATION USING MACHINE LEARNING AND FACE RECOGNITION TECHNIQUES
63	21701F0063	LAVANYA RAMIREDDY	INVESTIGATING THE EFFECT OF TRAFFIC SAMPLING ON MACHINE LEARNING-BASED NETWORK INTRUSION DETECTION APPROACHES
64	21701F0064	LOKESWAR REDDY KUDUMULA	WEB BASED GRAPHICAL PASSWORD AUTHENTICATION SYSTEM
65	21701F0065	MADHAVASRIRAM GURAJALA	TRANSLITERATE REGIONAL LANGUAGE TEXT INTO ENGLISH OR HINDI
66	21701F0066	MADHAVI CHINNA REDDY	IDENTIFICATION OF HATE SPEECH USING NATURAL

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			LANGUAGE PROCESSING AND MACHINE LEARNING
67	21701F0067	MADHAVI GUNIPINENI	IMAGE CAPTION GENERATOR USING CNN & LSTM
68	21701F0068	MANASA LINGUTLA	CREDIT CARD SCORE PREDICTION USING MACHINE LEARNING
69	21701F0069	MANASA MULE	MINING USERS TRUST FROM E-COMMERCE REVIEWS BASED ON SENTIMENT SIMILARLY ANALYSIS
70	21701F0070	MANIKANTA RAJU UMMALARAJU	DEVELOPMENT AND EXAMINATION OF FOG COMPUTING-BASED ENCRYPTED CONTROL SYSTEM
71	21701F0071	MEHARUNNISA NANDARAPU	IDENTIFYING HEALTH INSURANCE CLAIM FRAUDS USING MIXTURE OF CLINICAL CONCEPTS
72	21701F0072	MOUNIKA CHALLA	ENHANCED DATA INTEGRITY ENCRYPTION ALGORITHM FOR CLOUD COMPUTING
73	21701F0073	MOUNIKA KINDIGERI	A LIGHT WEIGHT POLICY UPDATE SCHEME FOR OUTSOURCED PERSONAL HEALTH RECORDS SHARING
74	21701F0074	MOUNIKA RAYAPATI	FINE GRAINED DATA DEDUPLICATION AND PROOF OF STORAGE SCHEME IN PUBLIC CLOUD STORAGE
75	21701F0075	MUHARAJ SHAIK DARIYASAHEBGARI	TRAPDOOR PRIVACY IN PUBLIC KEY ENCRYPTION WITH KEYWORD SEARCH
76	21701F0076	NAGA PRASAD SADA	FINGERPRINT BASED ON ATM SYSTEM
77	21701F0077	NAGENDRA REDDY KALLURU	DETECTING MALICIOUS FACEBOOK APPLICATIONS
78	21701F0078	NANDINI UMMADI	ALZHEIMER DISEASE PREDICTION USING MACHINE LEARNING ALGORITHMS
79	21701F0079	NARAYANA PUCHAKAYALA	ONLINE SOCIAL NETWORKS AND FINANCIAL CRIMES :A MACHINE LEARNING
80	21701F0080	NARENDRA KONETI	ANALYSIS AND PREDICTION OF SUICIDE ATTEMPTS
81	21701F0081	NARESH YALAMAKURI	FRODO COIN MANAGEMENT SYSTEM
82	21701F0083	NAVEEN MANGA	EMPLOYEE PROFILE USING QR CODE
83	21701F0084	NAVITHA YENAMALA	AN EFFICIENT PRIVACY PRESERVING MESSAGE AUTHENTICATION SCHEME FOR INTERNET OF THINGS
84	21701F0085	NEERAJA MUMMADI	HAZARD IDENTIFICATION AND DETECTION USING MACHINE LEARNING
85	21701F0086	NIKHIL KUMAR CHIPPAGIRI	DYNAMIC VM SCALING:PROVISIONING AND PRICING THROUGH ONLINE AUCTION
86	21701F0087	NIKHITHA AYEEPIREDDY	SECURE CRYPTO-BIOMETRIC SYSTEM FOR CLOUD COMPUTING
87	21701F0088	NIKHITHA GONUGUNTA	RACE (RESOURCE AWARE COST-EFFICIENT SCHEDULER FOR CLOUD FOG ENVIRONMENT)
88	21701F0089	NIRMALA THATIGOTLA	DETECTING DATA LEAKAGE USING CLOUD COMPUTING
89	21701F0090	NITHIN JANGITI	EXTRACTION OF TEXT FROM IMAGE WITH AUDIO CONVERSION
90	21701F0091	PADMAJA BITTA	DISCOVERY OF RANKING FRAUD FOR MOBILE APPLICATIONS
91	21701F0092	PADMASRI YETOORU	FARMING MADE EASY USING MACHINE LEARNING
92	21701F0093	PADMAVATHI PASUPULETI	EMOTION RECOGNITION USING SPEECH PROCESSING
93	21701F0094	PAVANI KARANAM	AGRICULTURE HELPER CHATBOT

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94	21701F0095	PAVANI KOPPALA	AUDIO TO SIGN LANGUAGE TRANSLATOR USING PYTHON
95	21701F0096	PAVANI NAGA	PREDICTION OF EV CHARGING BEHAVIOUR USING MACHINE LEARNING
96	21701F0097	PAVANI NAGELLA	PERSONALITY PREDICTION USING MBTI (MACHINE LEARNING)
97	21701F0098	PAVITHRA GADDAM	PATH INFERENCE IN WIRELESS SENSOR NETWORKS
98	21701F0099	PRANEETH NARASIMHA KAKUSTAM	UNDERWATER IMAGE ENHANCEMENT WITH MULTI-SCALE RESIDUAL ATTENTION NETWORK
99	21701F00A0	PRASANNA KAMBHAM	DESIGN AND IMPLEMENTATION OF DOMESTIC NEWS COLLECTION SYSTEM BASED ON PYTHON
100	21701F00A1	PRASANNA LAKSHMI DABBARA	TEST CASE PRIORITIZATION FOR SERVICE-ORIENTED WORKFLOW APPLICATIONS: A PERSPECTIVE OF MODIFICATION IMPACT ANALYSIS
101	21701F00A2	RAGAVENDRA REDDY MUTHUKURU	VITAMIN DEFICIENCY DETECTION USING IMAGE PROCESSING AND NEURAL NETWORK
102	21701F00A3	RAGHAVENDRA MADAKA	EARLY IDENTIFICATION AND DETECTION OF DRIVER DROWSINESS BY HYBRID MACHINE LEARNING
103	21701F00A4	RAJESWARAREDDY THOORUPUNATI	SECURITY ANALYSIS OF SMARTPHONE AND CLOUD COMPUTING AUTHENTICATION FRAMEWORKS AND PROTOCOLS
104	21701F00A5	RAMA SUBBAIAH MEKALA	BLOCK CHAIN BASED MANAGEMENT OF BLOOD DONATION
105	21701F00A6	RAMAKRISHNA CHEKKA	BLOCK CHAIN BASED APPROACH FOR DRUG TRACEBILITY IN HEALTHCARE SUPPLY CHAIN
106	21701F00A7	RAMANA CHINTHAKOMMADINNE	AUTOMATIC ANNOTATION OF TEXT WITH PICTURES
107	21701F00A8	RAMANJANEYULU PEETLA	CONNECTING SOCIAL MEDIA TO E-COMMERCE:COLD START PROBLEM PRODUCT RECOMMENDATION USING MICRO BLOGGING INFORMATION
108	21701F00A9	RAMESH AVULA	SUPERVISED AND UNSUPERVISDED MACHINE LEARNING BASED REVIEW ON DIABETES CARE
109	21701F00B0	RAMESH REDDY MARTHALA	ENHANCED DATA SECURITY IN CLOUD USING BLOCK CHAIN
110	21701F00B1	RAMI REDDY UTTARADI	STOCK PRICE PREDICTION USING LSTM AND GRU
111	21701F00B2	RAVI KUMAR REDDY RAMIREDDY	QR BASED FOOD ORDERING SYSTEM
112	21701F00B3	REDDEMMA KANDA	DETECTION OF CYBER ATTACKS USING ARTIFICAL INTELLIGENCE
113	21701F00B4	REDDY SNEHA LATHA DUDIMANI	MULTICLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION USING MACHINE LEARNING
114	21701F00B5	REDDY VENKATA RAMANAMMA GANDHAM	EARLY PREDICTION OF LOW BIRTH WEIGHT CLASSIFICATION USING MACHINE LEARNING APPROACH
115	21701F00B6	RENUKA KANATHA	KHETI BOAREE FOR CUTTIVATION
116	21701F00B7	RENUKA PASUPULETI	PREDICTING EMPLOYEE ATTRITION USING MACHINE LEARNING
117	21701F00B8	REVATHI MERUVA	CLOUD BASED MULTIMEDIA CONTENT PROTECTION
118	21701F00B9	SADAK VALLI SHAIK	A FRAME WORK FOR REAL-TIME SPAM DETECTION IN

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			TWITTER
119	21701F00C0	SAHITHI GANDLURU	CRIME RATE PREDICTION &AMP: ANALYSIS USING K-MEANS CLUSTERING ALGORITHM
120	21701F00C1	SAI BHARGAV VINNAKOTA	PREDICTING THE PRICE OF BITCOIN USING MACHINE LERNING
121	21701F00C2	SAI DONDLA	MAIL RECEIVED AUTHENTICATION SYSTEM
122	21701F00C3	SAI MEGHANA NAGALLAPATI	PREDICTION OF ENGINEERING BRANCH SELECTION FOR INTER STUDENTS
123	21701F00C4	SAI REVANTH VARMA KONDURU	ONLINE PET CARE
124	21701F00C5	SAI SHIREESHA DESETTY	VEHICLE RENTAL MANAGEMENT SYSTEMS
125	21701F00C6	SAI SREE KONETI	SOFTWARE DEFECT ESTIMATION USING MACHINE LEARNING ALGORITHMS
126	21701F00C7	SAI SUDHA DASARI	A REALIABILITY GUARANTEED SOLUTION FOR DATA STORING AND SHARING
127	21701F00C8	SAI VEENA BOMMALA	BIG MART SALES PREDICTION USING RANDOM FOREST
128	21701F00C9	SAIKUMAR PENAGALURU	CHECKING SECURITY PROPERTIES OF CLOUD SERVICES REST API'S
129	21701F00D0	SALMA SHAIK	FRAUD FIND : FINANCIAL FRAUD DETECTION BY ANALYZING HUMAN BEHAVIOR
130	21701F00D1	SANDHYA LAGIDI	AMAZON BEST SELLING PRODUCTS PREDICTION WITH LINEAR REGRESSION
131	21701F00D2	SANKAR BUKKAPATNAM	WEAPON DETECTION USING ARTIFICAL INTELLIGENCE AND DEEP LEARNING FOR SECURITY APPLICATIONS
132	21701F00D3	SANTHI PALLA	DATA MINING AND FEATURE ANALYSIS OF COLLEGE STUDENTS CAMPUS NETWORK BEHAVIOUR
133	21701F00D4	SANTHOSH PAPUGARI	SUSPICIOUS ACTIVITY DETECTION
134	21701F00D5	SARATH KUMAR AVULA	E AUTHENTICATION SYSTEM USING QR CODE & OTP
135	21701F00D6	SATISH G	LOCATION PREDICTION ON TWITTER USING MACHINE LEARNING TECHNIQUES
136	21701F00D7	SATISH KUMAR REDDY CHINTAKUNTA	MACHINE LEARNING BASED ANALYSIS OF CRYPTOCURRENCY MARKET FINANCIAL RISK MANAGEMENT
137	21701F00D8	SHAIK SHABEER RAMAPURAM	SENTIMENT ANALYSIS OF CUSTOMER PRODUCT REVIEWS
138	21701F00D9	SHARUKH KHAN PATHAN	AN ENHANCED TECHNIQUE OF SKIN CANCER CLASSIFICATION USING DEEP CONVOLUTIONAL NEURAL NETWORK WITH TRANSFER LEARNING MODELS
139	21701F00E0	SINDHURI B	EFFICIENT IDENTITY BASED PROVABLE MULTI-COPY DATA POSSESSION IN MULTI-CLOUD STORAGE
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144	21701F00E5	SOUJANYA LAKSHMI MALISETTY	SECURE DATA TRANSFER AND DELETION FROM

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			COUNTING BLOOM FILTER IN CLOUD COMPUTING
145	21701F00E6	SOWMYA MADISETTY	HELMET DETECTION AND NUMBER PLATE IDENTIFICATION USING DEEP LEARNING
146	21701F00E7	SRAVANI GAMPA	AUTOMATED QUESTION PAPER GENERATOR
147	21701F00E8	SREE LATHA OBULREDDY	LEARNING CUSTOMER BEHAVIORS FOR EFFECTIVE LOAD FORECASTING
148	21701F00E9	SREENIVASULU KURAPATI	ACHIEVING EFFICIENT SECURE DEDUPLICATION WITH USER DEFINED ACCESS CONTROL IN CLOUD
149	21701F00F0	SRUTHI T	MEDICINE RECOMMENDATION SYSTEM BASED ON PATIENTS REVIEWS USING MACHINE LEARNING
150	21701F00F1	SUBBA RAYUDU CHINTHAKUNTA	SECURING RESOURCES IN DECENTRALIZED CLOUD STORAGE
151	21701F00F2	SUCHARITHA BERI	DATA STORAGE SECURITY SYSTEM BASED ON CLOUD COMPUTING
152	21701F00F3	SUDHAKAR BUKKAPATNAM	BEHAVIOUR ANALYSIS FOR MENTALLY AFFECTED PEOPLE
153	21701F00F4	SUDHEER KUMAR REDDY NAGA	LIFE STYLE DISEASE PREDICTION
154	21701F00F5	SUDHEER SIRIVELLA	BOOK RECOMMENDATION SYSTEM BASED ON MACHINE LEARNING
155	21701F00F6	SUKANYA GALI	MISSING CHILD IDENTIFICATION SYSTEM USING DEEP LEARNING AND MULTI CLASS SVM
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157	21701F00F8	SUPRAJA SAGALA	CHARACTERIZING AND PREDICTING EARLY REVIEWERS FOR EFFECTIVE PRODUCT MARKETING ON E- COMMERCE WEBSITE
158	21701F00G0	SUREKHA NUKA	CYBER THREAT DETECTION USING MACHINE LEARNING
159	21701F00G1	SURESH PERAVALI	DETECTING MALICIOUS SOCIAL BOT BASED ON CLICK STREAM SEQUENCES
160	21701F00G2	UMADEVI CHANDRA	MACHINE LEARNING ALGORITHM FOR STROKE DISEASES CLASSIFICATION
161	21701F00G3	VAMSI MUKTHAPURAM	RASA TOURISM CHATBOT
162	21701F00G4	VAMSI RAJU BALARAJU	MALWARE DETECTION FRAMEWORK FOR REVERSE ENGINEERED ANDROID APPLICATIONS THROUGH MACHINE LEARNING ALGORITHM
163	21701F00G5	VANI VADDE GOGULA	CODING ASSESSMENT PORTAL
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171	21701F00H3	VENKATAMMA CHINTHA	VIDEO ANALYSIS FOR WEAPON DETECTION AND ALERTING
172	21701F00H4	VENKATESH PULA	FAKE PROFILE IDENTIFICATION IN SOCIAL NETWORK USING MACHINE LEARNING AND NLP
173	21701F00H5	VENKATESHNAIDU NALLARAMANNAGARI	PERSONAL VOICE ASSISTANT
174	21701F00H6	VENKATESWARA REDDY BELLAM	AN EXPERIMENTAL STUDY FOR SOFTWARE QUALITY PREDICTION WITH MACHINE LEARNING METHODS
175	21701F00H7	VENKATESWARLU TALARI	ATTACKING AND PROTECTING DATA PRIVACY IN EDGE-CLOUD COLLABORATIVE INFERENCE SYSTEMS
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177	21701F00H9	VIJAY JAVVAJI	VEHICLE SPEED DETECTION
178	21701F00I0	VIJAYALAKSHMI KANNAPU	ONLINE DEPRESSION DETECTION APPLICATION
179	21701F00I1	VIKRAM CHOWDARY PENIGALAPATI	EMBEDDED NIGHT VISION SYSTEM FOR PEDESTRIAN DETECTION
180	21701F00I2	VINAY CHOPPA	MALICIOUS URL DETECTION BASED ON MACHINE LEARNING
181	21701F00I3	VINAY KUMAR SURABHI	QR CODE BASED ATTENDANCE SYSTEM FOREIGN
182	21701F00I4	VINEETH KUMAR REDDY APPAKONDU	PERSONALIZED TRAVEL PLANNING SYSTEM
183	21701F00I5	VINOD KUMAR KAPATI	CLOUD COMPUTING SECURITY USING CRYPTOGRAPHIC ALGORITHMS
184	21701F00I6	VISWANADHA REDDY BURUGU	COLLEGE PLACEMENT CELL MANAGEMENT
185	21701F00I7	VYSHNAVI DEVINENI	AGRICULTURAL CROP RECOMMENDATIONS BASED ON PRODUCTIVITY AND SEASON
186	21701F00I8	YASHASWINI ANCHALA	VIRTUAL MOUSE OPERATION USING WEBCAM
187	21701F00I9	YASODA OLETI	PRIVACY PRESERVING ENSEMBLER FOR EMAIL SPAM DETECTION
188	21701F00J0	YASWANTH BALARAJU	AUTHENTICATION BY ENCRYPTED NEGATIVE PASSWORD
189	21701F00J1	YASWANTH KUMAR PAMARTHI	SWITCHABLE NOVEL OBJECT CAPTIONER
190	21701F00J2	YUVAKISHORE REDDY KONDA	SMART CITY MANAGEMENT SYSTEM
191	20701F0063	SANDHYA CHAKRAVARTHULA	MULTICLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION USING MACHINE LEARNING

A Project Report on

INFLUENCE OF HALLOYSITE NANO CLAY TUBES ON STRENGTH PROPERTIES OF CONCRETE

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

by

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ABSTRACT

Cementitious composites have high compressive strength and modulus of elasticity but are relatively weaker in the case of tensile strength, toughness, and ductility. In order to compensate for that, additional reinforcing agents are used to hold the cement matrix in a much stronger way as compared to conventional Calcium Silicate Hydrate gel. Hence, with the advancement of research in the Nanocomposite field, a new material has emerged as a safe option i.e., Halloysite Nano Clay (HNC). Halloysites are natural eco-friendly nanotubes and are harmless to humans.

The higher aspect ratio and easy dispersibility in the polymer matrix and more importantly its abundant availability makes HNCs the next ideal material for nano cement paste. In this project, an effort is made to study the effect of Halloysite Nano Clay (0.25%, 0.5%, 0.75%, 1.0%) on the compressive strength of concrete in comparison with plain concrete.

This study aims to determine the optimum dosage of Halloysite Nanoclay material required to obtain higher compressive strength, Tensile Strength and Flexural Strength.

Key Words: Halloysite Nano Clay, Nano Materials, Concrete, Compressive Strength, Split Tensile Strength, Flexural Strength.

CONCLUSION

The Halloysite Nano Clay (HNC) with different proportions of 0%, 0.25%, 0.5%, 0.75% and 1% are used in the conventional concrete to know the variability of mechanical properties of concrete, from the results we concluded as follows.

- The compressive Strength, Tensile and Flexural Strengths are increased with the increasing the dosage of Halloysite Nanoclay added to the concrete
- The compressive Strength is increased 29.1% greater values than normal concrete with the proportion of 1% of HNC with cement weight after 28 days of curing period.
- The Split Tensile Strength is increased 34.7% greater values than normal concrete with proportion of 1% of NC with cement weight after 28 days of curing period.
- The flexural Strength is increased 39% greater values than normal concrete with proportion of 1% of HNC with cement weight after 28 days of curing period.

FUTURE SCOPE

It is necessary for cement concrete's performance in terms of compressive, tensile, and flexural strengths to improve. The strength of cement concrete is increased with the addition of Halloysite Nano Clay in the compressive, tensile, and flexural strength. To fully understand how these types of concrete behave when Halloysite Nano Clay particles are added, more research is required.

Further research was to be done on the cement concrete Halloysite Nano clay's compressive and splitting-tensile strength properties.

Overall, the future scope of halloysite nano clay in civil engineering works is vast and varied, with the potential to lead to more innovative, sustainable, and efficient building systems. Ongoing research and development in this area are expected to lead to the creation of new and exciting applications of HNTs in civil engineering.

A Proposed Project Report on

STUDY ON THE RHEOLOGICAL AND MECHANICAL PROPERTIES OF M_{30} CONCRETE USING CRUSHER DUST (OR) STONE DUST AS FINE AGGREGATE, FLY ASH, CALCIUM CARBIDE RESIDUE (WASTE) AND BARITES AS PARTIAL REPLACEMENT TO CEMENT

Submitted in partial fulfillment of the requirement for the award of the degree of

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in

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CHAPTER-1

ABSTRACT

One cubic meter of normal concrete requires about 0.90m^3 of coarse aggregate and about 0.45m^3 of sand. In India about 900 million tons of sand is being used every year for various construction purpose due to so many reasons, the nature river sand which in the major source for sand has become scarce and costly. As the sand in the form of fine aggregate is essential for the concrete, there is a dire need to find/ use alternative sand / fine aggregate in place of sand to the extent possible to avert the problems of river sand. About 340 million tons of cement was produced in the year 2018-2019 worldwide and India is the second largest producer of cement in the world. Cement industry alone contribution about 7% of total greenhouse gases produced worldwide. In order to reduce the effect of these greenhouse gases on environment, There Is a need to reduce the production of OPC and use alternative binders in concrete/motor etc. There is also a need to use alternative material in place of sand as fine aggregate in concrete.

In the present project, it is proposed to use fly ash and calcium carbide waste as partial replacement to cement and crusher dust as complete replacement to sand in M30 concrete and find the mechanical properties viz compressive strength, split tensile strength and flexural strength at various ages.

CONCLUSION

Based on the results obtained from the present investigation the following conclusion were made;

1. The compressive strength of concrete with 10% cement, 65% fly-ash, 20% calcium carbide and 5% barites at 28 days and 60 days are 18.3 N/mm2 and 24.80 N/mm2. When compared to the compressive strength of standard M30 concrete, these are 53.1% and 65.3%% at 28 and 60 days.
2. The split tensile strength of concrete with 10% cement, 65% fly-ash, 20% calcium carbide and 5% barites at 28 days and 60 days are 1.83N/mm2 and 2.37 N/mm2. When compared to the split tensile strength of standard M30 concrete, these are 62.46% and 69.7% at 28 and 60 days
3. The flexural strength of concrete with 10% cement, 65% fly-ash, 20% calcium carbide and 5% barites at 28 days and 60 days are 2.61 N/mm2 and 3.40N/mm2. When compared to the flexural strength of standard M30 concrete, these are 63.0% and 70.8% at 28 and 60 days.
4. The compressive strength of concrete with 15% cement, 60% fly-ash, 20% calcium carbide and 5% barites at 28 days and 60 days are20.10 N/mm2 and 26.20 N/mm2. When compared to the compressive strength of standard M30 concrete, these are 58.4% and 68.9% at 28 and 60 days.
5. The split tensile strength of concrete with 15% cement, 60% fly-ash, 20% calcium carbide and 5% barites at 28 days and 60 days are 2.10 N/mm2 and 2.70 N/mm2. When compared to the split tensile strength of standard M30 concrete, these are 62.46% and 69.7% at 28 and 60 days.
6. The flexural strength of concrete with 15% cement, 60% fly-ash, 20% calcium carbide and 5% barites at 28 days and 60 days are 2.95 N/mm2 and 3.61N/mm2. When compared to the flexural strength of standard M30 concrete, these are 63.0% and 70.8% at 28 and 60 days.
7. Crusher dust can be used as alternate to river sand.
8. Cost of $1m^3$ of conventional concrete is around 4000/- and Cost of $1m^3$ of concrete that we prepared by using 10% cement, 15% cement, fly- ash , calcium carbide and barites is around 2500/-. It is about 60% of conventional concrete.

A Project Report on

"THE EFFECTS OF WIND LOADS AND EARTHQUAKE LOADS ON MULTI STOREYED BUILDING(G+8) USING STAAD PRO"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

by

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Abstract

To design or analyse a structure, it is divided into two categories -by using manual method and software-based method. Due to advancement in technology, humans are creating software for designing of structures to make the process easier and save time. For analysis of RCC building of G + 8 Storey is used for bracing system to improve seismic resistance using bracing. Bracing system is easy to installed, economical and occupies less space. The structure is analysed for seismic zone II with and without bracing system with the using of Staad Pro software. Bracing system improve the displacement capacity of the structure. The load condition is applied as per IS 1893 :2002. Bracing system improve the displacement capacity of the structure. It is found that the X type of concrete bracing significantly contributes to the bracing system improves not only the stiffness and strength capacity but also the displacement capacity of the structure. Seismic analysis is performed on(G+8) using Equivalent static method the buildings are assumed to be located in Zone II.

Keywords: Shear force, Bending moment, Deflection, X type Bracing System, Seismic zone II and STAAD -PRO v 8i.

CHAPTER 6

CONCLUSION

S.NO.	DEFLECTION (MM)	SHEAR FORCE (KN)	BENDING MOMENT (KN-M)
WITHOUT BRACINGS	64.460	1421.066	104.089
WITH X TYPE BRACING	14.967	1224.945	110.112
WITH ANGLE BRACING	20.429	1270.566	113.372
WITH V TYPE BRACING	16.240	1224.531	124.877

- By comparing with and without bracing by the analysis we found less Deflection in the bracing system.
- By comparing with and without bracing by the analysis we found less Shear force in the bracing system.
- By comparing with and without bracing by the analysis we found increase Bending moment in the bracing system.
- By using bracing system we found that deflection, shear force less as compare to without bracing building.
- While designing if shear force are less the requirement of steel reinforcement will be less compare to without bracing system

A Project Report on

"EFFECT OF USAGE OF DIATOMITE POWDER AND POLYPROPYLENE FIBRES AS PARTIAL REPLACEMENT OF CEMENT IN CONCRETE"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

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ABSTRACT :

Concrete is a composite substance made up of a binding agent, such as a cement-water mixture, and various fine and coarse aggregates. Concrete was discovered to be the most durable and effective binding material in all environmental circumstances. Regardless of the circumstances, concrete is expected to work satisfactorily for the duration of their service life with little maintenance. This composite substance is made up of different components. The composition of this adhesive substance determines its characteristics and uses.

Cement which is made up of natural resources are at depletion state. So as a move towards sustainable development, diatomaceous earth is chosen to replace in cement, from previous literature it is observed that 15% (DE) is proved to be optimum. Hence in this study, 15% (DE) is considered and to improve flexural strength. The polypropylene fibres are used around of 0.4%, 0.8%, 1.2%, and 1.6%. Then the mechanical properties - compressive strength, flexural strength, and split tensile strength are observed over which DE-15% and PPF-1.2% are proved to be optimum.

CHAPTER 7

CONCLUSION

7.1 Conclusion:

- The compressive Strength of Concrete by the replacement of 15% Diotomite powder in cement gives 0.17% strength more than the plain cement concrete concrete.
- The Compressive Strength of Concrete with replacement of PPF is increases 3.27% at 0.4, 4.37% at 0.8, 5.39% at 1.2 proportions for 14 days and 2.29% at 0.4, 3.2% at 0.8, 4.52% at 1.2 proportions for 28 days of curing than normal PCC M_{35} grade Concrete.
- The split tensile Strength of Concrete with replacement of DE is increases 0.17% at 28 days of curing for 15% mix Proportion than normal PCC M_{35} grade Concrete.
- The split tensile Strength of Concrete with replacement of PPF is increases 0.32% at 0.4, 0.55% at 0.8, 0.73% at 1.2 proportions for 28 days of curing than normal PCC M_{35} grade Concrete
- The flexural Strength of Concrete with replacement of DE is increases 0.12% at 28 days of curing for 15% mix Proportion than normal PCC M_{35} grade Concrete.
- The flexural Strength of Concrete with replacement of PPF is increases 0.06% at 0.4, 0.14% at 0.8, 0.46% at 1.2 proportions for 28 days of curing than normal PCC M_{35} grade Concrete.
- Both polypropylene fibres and diatomite powder are low cost materials while these materials are using in concrete we can get the good results and also reduces the consumption of cement and avoid the Environmental pollutions.

A Project Report on

"AN EXPERIMENTAL INVESTIGATION OF CONCRETE USING VERMICULITE AS PARTIAL REPLACEMENT OF FINE AGGREGATE"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

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in the department of CIVIL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in Civil Engineering for the academic year 2022-2023. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

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ABSTRACT

Concrete is a major construction material in construction, the vast usage of ingredients of concrete will leads to depleting natural resources. Based on the density concrete it is classified into three groups natural weight, light weight and heavy weight concrete. In specific locations this light weight concrete is used and normally it is prepared either by using lightweight aggregate or by using an air entraining agent. It is used in non-structural members its load carrying capacity is low. Vermiculite is clay substance which is highly porous. In thermal treatment the bulk density of crude vermiculite decreases from 640-1200 kg/m^3 to 60-160 kg/m^3. Vermiculite is a clay mineral similar to montmorillonite in structure. Vermiculite is very porous, easily absorbs water, it's a neutral clay with a pH of 7.0-7.5, is a hydrous phyllosilicate mineral which under goes significant expansion when heated. In this paper an attempt is made to gather all the studies made on light weight vermiculite concrete in the recent years and put together at one place.

Keywords - Cement, Fine aggregate, Coarse aggregate, Vermiculite

CHAPTER-6

CONCLUSION

6.1. CONCLUSION

From the experimental investigation of concrete using vermiculite as partial replacement of the fine aggregate the following conclusions are here.

- Based on the results it has been concluded that the strength of the concrete using vermiculite as fine aggregate is increased and will affect positively on compressive, split tensile and flexural strengths.
- The compressive, split tensile and flexural strengths are increased with the increase in the dosage of percentage of vermiculite.
- At 10% of vermiculite attain the maximum compressive strength of 28.74mpa.
- The compressive strength is increased to 9.6% greater than the normal concrete with an optimum dosage of 10% of vermiculite with fine aggregate after 28 days of curing period.
- At 10% of vermiculite attain the maximum split tensile strength of 2.63mpa.
- The split tensile strength is increased to 6.3% greater than the normal concrete with an optimum dosage of 10% of vermiculite with fine aggregate after 28 days of curing period.
- At 10% of vermiculite attain the maximum flexural strength of 3.17mpa.
- The flexural strength is increased to 21.4% grater then the normal concrete with an optimum dosage of 10% of vermiculite with fine aggregate after 28 days of curing period.
- The numerical relationship between the compressive strength ($F_{cu}28$) and the split tensile strength (F_t28) at 28 days of using vermiculite in the concrete obeys the relationship represented in the polynomial equation

  $Fcu28 = -6.2579Ft28^2 + 33.781Ft28 - 17.471$ with R^2 value of 0.99.
- The numerical relationship between the compressive strength ($F_{cu}28$) and the flexural strength (F_f28) at 28 days of using vermiculite in the concrete obeys the relationship represented in the polynomial equation

$Fcu28 = -3.4626Ff^2 + 24.427Ff - 14.047$ with R^2 value of 0.99.

- So, we can conclude that the vermiculite can be used as the fine aggregate to attain the better strengths and can be useful for the construction of buildings at the optimum dosage of 10% with fine aggregate.

6.2. SCOPE FOR FUTURE

- Vermiculite is a natural and sustainable material, which makes it an attractive option for eco-friendly building projects.
- The lightweight properties of vermiculite make it ideal for use in large infrastructure projects, such as bridges and highways.
- Vermiculite has excellent insulating properties, which make it ideal for use in buildings and other structures that require high levels of thermal insulation.
- Vermiculite is highly fire-resistant, which makes it an attractive option for use in structures where fire safety is a top priority, such as hospitals, schools, and public buildings.

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

THREE LEVEL T TYPE QUASI Z SOURCE PV GRID TIED INVERTER WITH ACTIVE POWER FILTER FUNCTIONALITY UNDER RESEARCH FOCUS.

A

Project Report

Submitted in partial fulfillment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

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2022-2023

CONCLUSION

This work assesses the performance of the three-level T-type quasi-impedance source inverter (3L-T-type q-ZSI) injecting not only active power to the grid. It is by injecting reactive power and acting as an active power filter (APF) simultaneously. The combination of an improved deadbeat current controller and a level-shifted carrier-based pulse-width-modulation (PWM) technique, using both the upper shoot-through (UST) and the lower shoot-through (LST) alternating states. The simulation and experimental results demonstrate the above-mentioned functionalities and verify the stability and good dynamic response of the grid-connected 3L-T-type q-ZSI.

CONCLUSION:

In this project, generation of hydrogen from biomass with renewable energy sources (Hybrid Energy). Analysis are carryout with different case studies, in this first case study is a combination of Solar – grid connected system (practical system). The second case study is a combination of Solar – Biomass – without grid connected system. The third case study is of a combination of Solar – Biomass – with grid connected system. These case studies are been carried out in HOMER Pro software. Design and implementation are done with relevant schematic diagrams to obtain the cost effectiveness and efficiency prediction of the system.

The power generated from renewable energy sources will induces fluctuations in current and voltage. These fluctuations are mitigated by using a novel DC to DC converter, it is connected intermediately between hybrid energy sources and electrolyzer. This proposed converter regulates constant voltage and current leads to increase the efficiency and life-span of the electrolyzer. The effectiveness of DC-to-DC converter is verified through MATLAB Simulink platform. The Machine learning approach is going further to analyze the efficiency and cost computing of the system for the next succeeding years. We collect data from HOMER output, in that we chose the required parameters and give it as input data to the machine learning algorithm.

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This is to certify that the project work entitled

VOLTAGE PROFILE ENHANCEMENT AND LOSS MINIMIZATION USING INCREMETAL ANALYSIS FOR OPTIMAL PLACEMENT AND SIZING OF DG's IN RECONFIGURED NETWORK

is a bonafied record of work done by

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VOLTAGE PROFILE ENHANCEMENT AND LOSS MINIMIZATION USING INCREMENTAL ANALYSIS FOR OPTIMAL PLACEMENT AND SIZING OF DG's IN RECONFIGURED NETWORK.

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CHAPTER-7

CONCLUSION AND FUTURE WORK

7.1 CONCLUSION:

This thesis has presented PSO method and a IA method for multiple DG allocation for loss reduction and voltage profile improvement in distribution systems while serving a main objective of distributed generation. The PSO technique is a two-stage methodology used in this thesis for optimal location and sizing of multiple DG units respectively. The IA method is based on IA expressions which are used to find out the optimal location and optimal size of four types of DGs. Among four types of DG in this paper a DG injecting Active power is only considered.

The results clearly show that, loss reduction and voltage profile improvement is possible with both PSO and IA methods, but when compared to PSO method, IA method gives more accurate results and higher percentage of loss reduction. PSO method has shorter computational time when compared to IA, but for same number of DG units installed the IA method gives more percentage of loss reduction with a smaller DG size when compared to a DG size given by PSO method.

7.2 FUTURE SCOPE

The Incremental Analysis method can be applied to other three types DG units with varying load and power factor. This algorithm can also be implemented for multiple DG placement problem with unbalanced loads. This method is also useful for the combination of DG and FACTS devices. This algorithm can also apply to the other power system optimization problems.

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A Project Report
On

DYNAMIC BEHAVIOUR AND STABILITY ANALYSIS OF AUTOMATIC VOLTAGE REGULATOR WITH PARAMETER UNCERTAINITY

Submitted in partial fulfillment of the requirement
For the award of the degree of

BACHELOR OF TECHNOLOGY

In

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This is to verify that the project report **"DYNAMIC BEHAVIOUR AND STABILITY ANALYSIS OF AUTOMATIC VOLTAGE REGULATOR WITH PARAMETER UNCERTAINTY"** presented in partial fulfilment of the criteria for the granting of a Bachelor of Technology in Electrical and Electronic Engineering is a record of legitimate work completed by them (dept/library copy) under my guidance and supervision during the academic year 2022-2023..

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Dr. M. Padma Lalitha
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8.1 Conclusions:

- This study introduced Simulink Design Optimization, a new optimization approach, for determining the ideal PID coefficients (Ki, Kp, and Kd) for the AVR loop (SDO). We used the acquired SDO-PID coefficients to assess the AVR loop's resilience to terminal perturbations.

- There is a significant association between the time-domain performances of the SDO-PID, WCA, GA, and LUS PID controllers. The findings show that the SDO-PID has outstanding time-domain performance, particularly in terms of Rise-time and Overshoot.

- Field-voltage disturbances and parameter uncertainty in the amplifier model (K_{Amp}, T_{Amp}) were utilized to test the resistance of the proposed and other enhanced controllers. An upper constraint of 102% of the nominal parameters for the amplifier model was set when it was discovered that the SDO-PID was more resilient in the face of parameter uncertainty. Analysis of how SDO's GM and PM stack up to other regulators.

- Lastly, the MATLAB results demonstrate that the SDO-PID enhances the stability of the AVR loop in addition to being trustworthy and effective in regulating the terminal voltage.

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This is to certify that the project work entitled

PMSG WIND ENERGY CONVERSIONS SYSTEMS WITH Z-SOURCE INVERTER

is a bonafied record of work done by

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PMSG WIND ENERGY CONVERSIONS SYSTEMS WITH Z-SOURCE INVERTER

A

Project Report On

Submitted in partial fulfillment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

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CONCLUSIONS

This project is mainly focused on the power quality improvement of Wind Energy Conversion System (WECS) with Permanent Magnet Synchronous Generator (PMSG) and Z-Source Inverters (ZSI). The PMSG-based WECS with Z-Source Inverter and maximum constant boost control with Third harmonic injection method is proposed. The Z-Source Inverter is used for maximum power point tracking control. In addition to that, maximum power is delivered to grid system. Compared to conventional method, proposed method voltage profile is improved with reference to the table 5.1.

Further Permanent Magnet Synchronous Generator and Quasi Z Source Inverter are implemented based on Wind Energy Conversion System. The Hysteresis Current Controller method and Fuzzy Logic Controller (FLC) is controlled by PMSG and Quasi Z-Source Inverter. Particularly, in these proposed methods, generate more voltage as well as current with reference to the table 5.2. Additionally, the proposed Hysteresis Current Control based Fuzzy Logic Controller (FLC) has more advantages, such as more flexibility, Quick control and static performances.

This project is mainly focused to improve the power quality by using WECS with Trans Z-Source Inverter controlled by Fuzzy Logic Controller technology. The PMSG-based WECS using Trans Z-Source Inverter is stabilized the AC bus voltage by proposed control technique. Particularly, no additional circuits are present. Compared to conventional methods, in this proposed FLC has more advantages, such as flexibility, easy to manage and control. The simulation results are verified, the proposed FLC based Trans-ZSI is reduced the harmonics level to 0.07% with reference to the table 5.3. Compared to conventional methods it is maintaining the pure sinusoidal bus voltage in the grid system.

A Project Report on

"FABRICATION AND CHARACTERIZATION OF POLYMER BASED HYBRID COMPOSITES REINFORCED WITH CATTAIL FIBERS AND SUGERCANE FIBERS"

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

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to the department of MECHANICAL ENGINEERING in partial fulfilment of requirements for the award of degree of Bachelor of Technology in "Mechanical Engineering" for the academic year 2022-23. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

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Date: 06-04-2023

ABSTRACT

The demand for new and better materials are highly needed in various engineering applications such as aircraft engineering, aerospace engineering, automotive sector, naval engineering etc. In view of this demand, the present work is focused on the latest trending composite materials. The composite materials arehighly substitute for a conventional material due to their high strength to weight ratio and better stiffness. The objective of present work is fabrication of polymer-based hybrid composites and its characterization. The epoxy is taken as a matrix material and the reinforce materials are cattail fibers and sugar cane fibers.

The fabrication of hybrid composite material for the present work is doneby using hand lay-up method. The mechanical characterization is performed for tensile strength, flexural strength, impact strength. The obtained results are tabulated and the graphs are plotted. The results are discussed based on the obtained results.

6. CONCLUSIONS & SCOPE OF FUTURE WORK

The following are the conclusions and scope of the future work observed from the results of the Sugarcane and Cattail fibre reinforced polymer laminates which are successfully fabricated by simple hand lay- up technique. The experimentation has carried out for finding its tensile strength, flexural strength and impact strength.

6.1 Conclusions

- The tensile test is performed and the stress bearing capacity of specimen 1 used, combination of both cattail & sugar cane of 5% each (means cattail 5% and sugarcane 5%) and specimen 2 increasing to 7.5% (means cattail 7.5% and sugarcane 7.5%) and specimen 3 increasing to 10% (means cattail 10% and sugar cane 10%). This composite under tension has been increased from 35.65MPa to 49.99Mpa.
- The flexural test is performed and the flexural stress bearing capacity of specimen 1 used, combination of both cattail & sugar cane of 5% each (means cattail 5% and sugarcane 5%) and specimen 2 increasing to 7.5% (means cattail 7.5% and sugarcane 7.5%) and specimen 3 increasing to 10% (means cattail 10% and sugarcane 10%). By the test, the results of flexural strength I s increase from 33.85Mpa to 137.77Mpa.
- The Impact test is performed and the Impact stress bearing capacity of specimen 1 used, combination of both cattail & sugar cane of 5% each (means cattail 5% and sugarcane 5%) and specimen 2 increasing to 7.5% (means cattail 7.5% and sugarcane 7.5%) and specimen 3 increasing to 10% (means cattail 10% and sugarcane 10%). By the test, the results of Impact test the strength is increase from 24.8 to 25.

6.2 SCOPE OF FUTURE WORK

There is a wide scope of composite material in automotive, aerospace, wind energy, electrical, sports, domestic purpose, civil construction, medical chemical industries etc.

- The present work can be extended to investigate the other mechanical properties such as hardness, compressive strength, wear properties, etc.
- The work can extend to investigate the mechanical properties by adding particles of nanocomposites also.
- The thermal and hygro properties also can be investigated with the present work.

A Project Report on

"WIRELESS COMMUNICATION-BASED SPRINKLER IRRIGATION SYSTEM WITH SEED SAWING ROBOT"

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

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By

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Under the guidance of

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Place: Rajampet

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ABSTRACT

The project proposes a new strategy to replace humans in various agricultural operations like spraying of pesticides, spraying of fertilizers, etc. there by providing safety to the farmers. The developed system involves designing a prototype which uses simple cost effective equipment's which is an aid to the farmers in various crop field activities.

CONCLUSIONS

In conclusion, the development of a wireless communication-based sprinkler irrigation system offers a promising solution to address challenges associated with conventional irrigation systems. The proposed system offers several benefits, including improved crop yield and quality, reduced water usage, reduced environmental impact, increased accessibility of irrigation technology, improved productivity and efficiency in agriculture, potential economic benefits, improved environmental sustainability, and the potential for sustainable agriculture, environmental conservation, and economic development. These benefits demonstrate the potential for the proposed system to offer an efficient, cost-effective, and sustainable solution for irrigation that can benefit farmers, communities, and the environment. The implementation of this system could lead to improved agricultural practices, reduced environmental impact, and economic growth and development. Overall, the proposed wireless communication-based sprinkler irrigation system has the potential to be a transformative solution that contributes to sustainable agriculture and environmental conservation.

A Project Report On

"DESIGN & FABRICATION OF THERMO ELECTRIC COOLING SYSTEM (REFRIGERATOR)"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

PALAGIRI MOULALI	**- 20705A0347**
PURAM UMAMAHESH GOUD	**- 20700A0305**
CHAMARTHI RAJESH RAJU	**- 20705A0361**
SANE NARESH	**- 20705A0352**

Under the guidance of

Mrs.N.DEEPTHI, M.Tech

Assistant professor

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

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2022-2023

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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BONAFIDE CERTIFICATE

This to certify that the project work entitled "DESIGN & FABRICATION OF THERMO ELECTRIC COOLING SYSTEM (REFRIGERATOR)" is a bonafide project work submitted by

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Internal Examiner

External Examiner

Place: Bayanapalli, Rajampeta.

Date: 06-04-2023

ABSTRACT

In recent years, with the increasing awareness towards environmental degradation due to the production, use, and discharge of Chloro Fluoro Carbons (CFCs) and Hydro Chloro fluoro carbons (HCFCs) as heat carrier fluids in conventional refrigeration systems have become a subject of great concern and resulted in the concept of thermoelectric (TE) energy that makes it unique because of reversible energy conversion. We design thermoelectric using the Peltier module. Thermoelectric systems are based on the scientific phenomenon called the Peltier Effect. According to this phenomenon, a temperature gradient is set up when an electric current is passed through the junctions of two conductors. Due to this effect heat is deposited in one junction and cooling occurs in the other junction. A thermoelectric device is capable of either cooling or heating the system based upon the polarity of the DC power applied. Thermoelectric energy has a vast range of applications in various fields like; electricity generation, refrigeration, air conditioning, particular heating/cooling, biomedical devices due to its simple construction and mechanisms, compactness, require DC supply to run the device.

CONCLUSION

In this project the convection heat transfer is very low even if installed a fan for effective heat transfer. The cooling effect produced near the module is high but when it's comes to the middle portion of the chamber is low. The heat transfer from the surface of the module should be done firstly through conduction, then through convection, to produce a noticeable temperature differencel in the center area as well as the overall area, convection by the air must increase and also the size of the module and speed of the fan must in big increased.

Here calculated the actual and theoretical C.O.P and also the refrigeration effect of the device at different load conditions and clearly notices the characteristics behaviour, the device is producing the moderated cooling at moderate load conditions and at smaller load the cooling effet is low whereas C.O.P is good, and at full load (maximum load) the cooling effect produced is good and C.O.P is low.

A

Project Report On

"IOT BASED INDUSTRIAL FAULT MONITORING SYSTEM USING ARDUINO AND NODE MCU"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

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Project Viva-Voce held on 01-04-2023

EXTERNAL EXAMINER

ABSTRACT

Nowadays, gas leakage is a major issue in the home and as well as industries. The sense of the gas is very low means we can't find it because of human negligence or lack of patience or some other external condition. If the gas level is increased, it causes some disaster. 1, to avoid this disaster in advance, the alternative idea is discussed in this paper. The system is developed with embedded sensors, controllers, and some IoT-based software. In this system, we are monitoring the detection of LPG gas leakages with some alerting features. Some sensors are used to monitor the different parameters like Temperature and humidity sensors (DHT22), gas sensors (MQ6), flame sensors (LM 2903), PIR sensors (HC–SR 501), and WiFi module (ESPZ8266). The sensors all are collect their information in their respective field and send data to the Wi-Fi module and it will perform.

CHAPTER-10

C0NCLUSION

We want to learn a great deal about the technical elements of digital electronics systems and the internet of things by working on this project. Our industrial monitoring system's primary goal is accomplished through the digital integration of highly precise sensors and micro-controllers. We have included sensors to monitor environmental factors, and when an undesirable state is reached, the observed data is sent to the head centre. The data is allocated and processed using the Arduino UNO, and then the processed data is transmitted over the internet to the online apps. For data collection, we have thus added MQ6 gas sensors, flame sensors, PIR sensors, temperature sensors, and Arduino for device-to-device communication and command proposal. For data collecting, we also used a ThingSpeak website that was accessible online. The main innovation of our concept is its relevance for preventing undesirable dangers and activities while management is not present, and we believe that if implemented, it will effectively assist industry in reducing these accident rates. The demand for digital and automation systems to perform tasks, particularly in the information technology and algorithmic sectors, has increased exponentially in recent years due to industrial modernization, and the incorporation of IoT into their operational frameworks creates opportunities for growth and workable innovation.

A

Project Report On

"AN AUTOMATIC DETECTION OF RETINAL LESIONS FOR SCREENING OF DIABETIC RETINOPATHY"

Submitted in partial fulfilment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

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K.M. Vasanth Kumar	**19709A0456**
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29/3/23 31/3/23

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EXTERNAL EXAMINER

AN AUTOMATIC DETECTION OF RETINAL LESIONS FOR SCREENING OF DIABETIC RETINOPATHY

ABSTRACT

An automatic telemedicine method for software screening and rating of diabetic retinopathy based on the identification of retinal lesions in retina pictures. This work defines and establishes a novel approach for automatic detection of each microaneurysm and haemorrhage in fundus images pictures. Whatever has contributed the most is a new set of form options known as "Dynamic form options," which don't require precise segmentation of the region to be classed. These choices allow one to distinguish between lesions and vessel segments and show how the morphology changed during image flooding. Six databases, four of which are publicly available, can be used to test the validity of the technique per lesion and per image. When taking into account pertinent variables in image resolution, quality, and acquisition technique, it exhibits its strength. According to information from the Retinopathy Online Challenge, the approach receives a FROC score of 0.420, placing it fourth overall. Using the Messidor data, the intended technique reaches a section below the fabled monster curve of zero.899, loves the score of human advisors, and surpasses progressive approaches when detecting images with diabetic retinopathy.

CHAPTER-6

CONCLUSION& FUTURE SCOPE

A novel red lesion detection method based on a new set of shape features, the DSFs, was presented and evaluated on six different databases. The results demonstrate the strong performance of the proposed method in detecting both MAs and HEs in fundus images of different resolution and quality and from different acquisition systems. The method outperforms many state-of-the-art approaches at both per-lesion and per-image levels. DSFs have proven to be robust features, highly capable of discriminating between lesions and vessel segments.

The concept of DSFs could be exploited in other applications, particularly when the objects to be detected do not show clear boundaries and are difficult to segment precisely. Further work focusing on bright lesion and neo vessel detection will complete the proposed system and allow automatic DR grading. By adding image processing techniques such as illumination correction, denoising, equalization, and color normalization, it is possible to improve the accuracy and reliability of the screening process. By automating the detection of retinal lesions using machine learning algorithms, it is also possible to reduce the workload of healthcare professionals and increase the efficiency of the screening process.

Our Project focuses on the development of an automatic telemedicine system for computer-aided screening and grading of DR. Since computer analysis cannot replace the clinician, the system aims at identifying fundus images with suspected lesions and at sorting them by severity. Then, the annotated images are sent to a human expert for review, starting with the suspected most severe cases. Such an automatic system can help to reduce the specialist's burden and examination time, with the additional advantages of objectivity and reproducibility. Moreover, it can help to rapidly identify the most severe cases and to focus clinical resources on the cases that need more urgent and specific attention.

A

Project Report On

"AUTOMATIC SEGMENTATION OF RETINAL BLOOD VESSELS USING THE HOMOMORPHIC FILTER AND MULTILEVEL ALGORITHM"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

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P. SUVARNA	19701A04H0
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S. SHIVA KUMAR	19701A04F1

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2022-2023

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Project Viva-Voce held on 01-04-2023

Head of the Department
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EXTERNAL EXAMINER

ABSTRACT

In the automatic diagnosis of numerous ophthalmic and cardiovascular illnesses, segmentation of retinal blood vessels plays a significant role. Medical analysis and the detection of associated disorders depend on the ability to segment thin and thick retinal vessels. The fundus image of the eye exhibits variable vascular thickness, the latter of which is not segregated by the majority of the previously suggested algorithms. This technique aims to distinguish thick and thin vessels in order to produce two images individually, which can then be combined to provide the final segmentation result.

The process includes a number of steps. In addition to applying filters for input retinal image smoothing, primary processing entails many stages. The first one uses an updated top-hat, homomorphic filter to segment large vessels, while the other one presents an optimal top-hat, homomorphic filtering, gray level conversion, matching filter, and segmentation using multilevel algorithm to segment narrow vessels. Morphological image operations are lastly performed. With this suggestion, a minimal number of false positives are obtained. This technique effectively divides the vessels and raises the performance standards. Implementation part was done in MATLAB R2022b. DRIVE datasets were used to evaluate the suggested method.

CONCLUSION

The segmentation approach for both thin and thick artery detection serves as the fundamental basis for an unique methodology that improves the identification of endoscopic picture of the retinal arterial system of human eye. The recommended technique demonstrates high-specificity performance for having to learn or conditioning operations that demand outstanding performance without the necessity for a segmentation approach. The key component of the proposed framework is the parameter adjustment of the homomorphic and optimised top-hat filtering stages, which is dependent on the segmentation outcome, in this instance thin and thick vessels. To improve segmentation accuracy and specificity, one must have this functionality. One of the major weaknesses of the idea is the low sensitivity value obtained in contrast to the levels provided in the condition.

Finally, by separating the region of interest, it is anticipated to use this technology as a post stage in a reliable system in both healthy and diseased ocular fundi for illness diagnosis. This technique was thought about when this concept was being developed. A high categorization specificity value or even a small false positive value is required for achieving this.

A

Project Report on

"IMPLEMENTATION OF HIGH SPEED DDR3 SDRAM CONTROLLER BY USING XILINX SOFTWARE"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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SUPERVISOR **PROJECT COORDINATOR** **HEAD OF THE DEPARTMENT**

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External Viva-Voce Exam held on dated: 01/04/2023

EXTERNAL EXAMINER

ABSTRACT

A type of semiconductor memory is synchronous dynamic random access memory. It can operate as quickly as traditional DRAM. SDRAM is becoming more and more common, and it can run just as swiftly as conventional DRAM. A typical form of conventional memory is DRAM. It operates in an asynchronous fashion. They can only answer to one request at a time, and they react to modifications when the control inputs change. SDRAM performs more efficiently. It is synchronised with the bus because of the processor's clock. DDR3 SDRAM can operate on the external bus at the same speed as DDR2. DDR3 memory is more complicated than DDR2 memory. The memory cells are switched on in such a way that they can communicate with an external bus. DDR3 transfers data at eight times the clock speed by doing so on the rising and falling clock edges, even though the bus is clocked at a rate that is four times that of DDR. This increase in clock speed is made possible by interface improvements like pre-fetch buffers and off-chip drivers. DDR3 on FPGA implementation needs to be considered in this project. The programme used to simulate this design is Xilinx ISE design suite.

Keywords: DDR3, SDRAM (Double Data Rate Synchronous Dynamic Random Access Memory), UART (Universal Asynchronous Receiver and Transmitter), AL (Additional Latency), FPGA (Field Programmable Gate Array).

CHAPTER-7

CONCLUSION

For real-time systems, using a memory controller is advised. The memory controller was designed with Ethernal in mind and is compatible with all systems. It is able to operate at high speed because to the 8n prefetch design. To attain great performance, it requires 4 bits per one clock cycle, which decreases power consumption, delays, and enhances speed. It makes process speeds possible.

A

Project Status Report On

"MULTIMODEL MEDICAL NOVEL IMAGE FUSION BY USING DYNAMIC THRESHOLD SYSTEMS"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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EXTERNAL EXAMINER

ABSTRACT:

DTNP systems are a newly developed model and have an interesting characteristic namely, the cooperative spiking of Neurons in a local region. We sought to evaluate whether this characteristic could be combined with the NSCT to develop a novel fusion method for multi-modality medical images. Advantages of the DTNP systems could greatly improve the fusion performance of the NSCT-based methods for multi-modality medical images.

The fusion methods for the low-frequency NSCT coefficients use an Improved Innovative Sum- Modified Laplacian (INSML) feature to extract the complementary data from multi-modality images. Additionally, the high-frequency NSCT coefficients are extracted using the WLE-INSML features, and these coefficients are then used to create the fusion rules. An open dataset utilised to evaluate the recommended fusion strategy consists of twelve pairs of multi-modality medical image pairs. It is also compared to nine previously published fusion methods as well as four deep learning-based fusion approaches. The qualitative and quantitative trial outcomes demonstrate the benefits of the suggested fusion process in terms of visual quality and fusion performance.

CONCLUSION

DTNP systems are Turing-universal distributed parallel computing models. This paper investigated a DTNP system-based fusion architecture with respect to multi-modality medical images in the NSCT field. The fusion framework that was proposed combined the features from the exciting methodologies. The multi-modality medical images are expressed using INSML and WLE features combined. The primary energy and some of the minor details of the low-frequency NSCT coefficients, which are necessary to construct a fusion rule, are expressed. In order to extract specific information from medical images, such as edges and contours, the INSML feature is employed with high-frequency NSCT coefficients. The proposed systems recognize this feature as an external input. The IN-SML features can produce more energy due to the neurons' cooperative spiking mechanism. The cooperative spiking mechanism of the neurons enables the IN- SML characteristics to more successfully generate neural spiking in this system.

For the combining of multiple medical imaging modalities, the NSCT+INSML+WLE+DTNP and are combined in the suggested fusion architecture. This framework's drawback is this. The complementary information of other picture formats, such as multi-focus images, may not be properly recovered by the INSML features because of the various imaging principles. The processing of other picture kinds, could not be possible with this combination, as well. DTNP systems might therefore have to add additional characteristics to the proposed combination. Work in the future will focus on fusing various image forms.

A Project Report on

Predict Customer Churn through Customer Behaviour using Machine Learning Algorithms

Submitted in partial fulfillment of the requirement

for the award of the degree of

Bachelor of Technology
in
Computer Science and Engineering
By

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ABSTARCT

Customers are becoming more concerned to the quality of service (QoS) offered by organizations in the present. However, the present day shows greater rivalry in offering the clients with technologically innovative QoS. However, an organization may benefit from effective customer relationship management systems in order to increase sales, maintain relationships with existing customers and improve customer retention. The customer retention strategies can benefit greatly by the use of machine learning models like Decision Tree, Naïve-Bayes Classification, Logistic Regression algorithms.

8.CONCLUSION& FUTURE SCOPE

CONCLUSION:

It is concluded that any organisation, whatever of its form, needs to be concerned about customer turnover. Customer retention is the process of preserving a customer's loyalty through comprehending their needs and meeting them appropriately. The organisational management will be helped by a strong churn prediction model to predict consumer churn.

Decision Tree, Naïve-Bayes Classification, Logistic Regression is useful for estimating the turnover rate depending on the complicated data of the telecommunication sector. The concept of client retention as well as the churn forecast were the main topics of the mentioned paper. Along with the technique, the usage of Decision Tree, Naïve Bayes Classification, Logistic Regression is to improve the churn prediction process has also been covered here.

FUTURE SCOPE

This application may eventually include the capacity to recognise churn prediction. With the updated data set, we plan to examine the prediction strategy and use the most precise and pertinent machine learning algorithms for detection.

A

Project Report

on

"NEXT GENERATION RISK STATIFICATION OF ICU PATIENTS USING MACHIENELEARNING"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

By

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O.VARSHITHA	19709A0560
S.C.ASMAAFRIN	19709A0506
G.RAHUL	19709A0542
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New Boyanapalli, Rajampet, Annamayya (Dist), A.P – 516 126.

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ABSTRACT

Personalized Precision medicine necessitates remote patient monitoring in the intensive care unit (ICU) as a crucial observation and assessment task. Recently, we created an intelligent cloud platform. We employ a modern risk-classification framework for remote patient monitoring (IRPM). Machine learning is used to provide the most accurate predictions,yet there are few qualities that don't depend on key indications. Several different physiologicaltraits are used, both within and outside of hospitals. We significantly aided this endeavour. By creating three machine learning models for the fundamental IRPM architecture, measurementsof anomalies, readmission, and vital signs the next day Together with the development and verification of three replicable machine learning algorithms, we also provide a formally described version of a feature engineering technique.

We provided two solutions for data with unbalanced classes for the readmission model and applied five binary classification techniques to each approach. We used the same five algorithms to predict whether a patient will have abnormal health conditions in the abnormalitymodel. Our findings show that by focusing on low and high quantile ranges of vital signs, we may still get an acceptable performance with these machine learning models. The readmissionmodel's greatest accuracy was about 67.53%, with an area under the receiver operating characteristic (AUROC) of 0.7376. The abnormality model obtained the maximum accuracy of roughly 67.40%, with an AUROC of 0.7379. We discovered that using the most current vital sign values results in the lowest prediction error. Given the medical industry's large investmentin patient monitoring devices, the developed models will be incorporated into an Intelligent ICU Patient Monitoring (IICUPM) module, which has the potential to facilitate the delivery ofhigh-quality care by implementing cost-effective policies for dealing with the patients who useICU resources the most.

***KEYWORDS**: Decision Tree, Random forest Classifier, SVM.*

9. CONCLUSION AND FUTURE SCOPE

Machine learning methods applied to clinical datasets providehuge promise for tailored drug deliveryHuman illness therapy that is aimed Adding to our foundationWe propose three replicable risk indicators as part of our recent creation of an intelligent ICU patient monitoring (IICUPM) platform.ML models for stratification Our findings suggest that we canconstruct balanced predictive models for ICU patient readmissionand anomaly with more precision by combiningCombining ML and a quantiles technique that focused solely on important variablessigns. To prevent incorrect findings and low precision in theWe presented two data options for the readmission model.Having unequal classes: one that employs under-samplingapproach, as well as one that use the clustering re-sampling method. We also provide three methods for identifying predictors ofVital sign measures taken the next day in relation to a baseline.We created regression models utilizing two distinct classifications.algorithms to each method In general, we discovered that theThe error compensation strategy outperformed the average.The measured method fared the poorest. The outcome suggeststhat employing the most current vital sign measures achieves the least error, especially when accounting forfor prior blunders In addition to offering three clearThis work adds a functionality to replicable ML models.developing an algorithm that may be used in a variety of critical care contexts.

There are quite a few things that can be polished or be added in the future work. • We have opted to use data mining classifies in this project namely the Linear Discriminant Analysis and KNN. There are more classieres such as the logistic Regression ,Random Forest Classifier,SVM. Such classifiers are compared with.

A Project report on

Automated Stress Recognition Using Supervised Learning Classifiers and Image Processing

Submitted in partial fulfillment of the requirement
for the award of the degree of

Bachelor of Technology
in
Computer Science and Engineering

By

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ABSTRACT

Our project's primary goal is to identify signs of stress in IT professionals utilizing sophisticated machine learning and image processing methods. Our system is an improved version of the old stress detection systems, which excluded live detection and personal counselling. This system includes live detection and periodic analysis of employees, which detects employees' levels of physical and mental stress and then gives them the appropriate stress management techniques by sending out survey forms on a regular basis. Our method primarily focuses on stress management, creating a healthy and spontaneous work atmosphere for the employees, and getting the best performance out of them during working hours.

KEYWORDS: *Image processing, KNN classifier, Stress, Open CV, Supervised machine learning, Training dataset.*

8.1 CONCLUSION

The secure Stress Detection System is made to detect stress in employees by keeping track of photographs taken by authorised users. When the authenticate user logs in based on some time interval, the image capture is done automatically. The user's stress is determined from the collected photos using certain common conversion and image processing techniques. The device will then assess the stress levels using machine learning techniques to produce more effective results.

8.2 Further Enhancement

IoT technology integrated with biomedical wearable sensors is a tried-and-true combination in the healthcare industry. Both patients and physicians have benefited from the use of such gadgets. A few of its benefits include early diagnosis of medical issues, quicker medical aid through remote monitoring and telecommunication, emergency alarm mechanisms to notify the carer and personal doctor, etc. By continuously tracking and giving regular feedback on stress levels, the suggested work on establishing a multi-modal IoT system ensures to be a better health helper for a person. It would be fascinating to expand on this research into the creation of a stress detection model in the future by integrating additional physiological parameters, such as an activity recognition system and application of machine learning techniques.

A Project report on

"Vehicle License Plate Detection OpenCV And Tesseract OCR"

Submitted in partial fulfillment of the requirement

for the award of the degree of

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Abstract

License plate detection identifies the vehicle by using the license plate and image processing. The objective is to create and implement a system that is efficient at recognizing automobiles by their license plates, which act as a key to their identity. The system can be installed at parking lot entrances, toll booth entrances, or any other private area, such as a college, to keep track of vehicles arriving and exiting. It could be used to limit vehicle access to people who have permission to enter the premises. The developed system takes a photo of the front of the car, searches for the license plate, and then reads the plate. The vehicle's license plate is obtained by image processing. The employing of feature extraction and classification for modeling purposes. Regarding the software's implementation using computer vision numerous photographs are utilized to evaluate its accuracy. As per inferences, the proposed model correctly locates and classifies the vehicles numberplate. The idea of a character recognition-based platform for identifying intellectual vehicles that is meant to be used with advanced transportation systems. The suggested solution makes use of Intelligent Parking Service, a sophisticated parking management system required to manage both public and private spaces. Using approaches based on vision, the SPANS system decides whether or not the parking lot is open. The proposed system uses the SPANS framework to capture images of the parking lots and identify the license plates of vehicles that are both driving through and parked there.

Keywords: *Vehicles License plate images, OpenCV, Tesseract OCR, License Plate Recognition*

9. CONCLUSION AND FUTURE SCOPE

Although there are very few training examples, this article attempts to recognise licence plates on moving cars. The investigation's initial findings are promising. Tesseract and opensource computer vision are used to find registration numbers on moving automobiles and identify trends in registration numbers. Our suggested approach has the advantage of being accurate in locating and detecting plates.

The testing, however, revealed that the boundaries of the image's items were not precisely specified. With a vehicle's licence plate, we may determine whether it is driving too fast, has been in an accident, or ignores traffic signals. The automatic vehicle recognition system is crucial in identifying defence-related hazards. Also, it can increase women's security because they can more quickly identify licence plates when using cabs or other services.

A Project report on

"Real Time Attendance Access Control With Facial Recognition"

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ABSTRACT

This project involves building an attendance system which utilizes facial recognition to mark the presence, time-in, and time-out of employees. It covers areas such as facial detection, alignment, and recognition, along with the development of a web application to cater to various use cases of the system such as registration of new employees, addition of photos to the training dataset, viewing attendance reports, etc. This project intends to serve as an efficient substitute for traditional manual attendance systems. It can be used in corporate offices, schools, and organizations where security is essential. The purpose of this document is to specify software requirements of the Attendance Management System Using Face Recognition. It is intended to be a complete specification of what functionality the Attendance Management System provides. Furthermore, this project aims to automate the traditional attendance system where the attendance is marked manually. It also enables an organization to maintain its records like in-time, out time, break time and attendance digitally. Digitalization of the system would also help in better visualization of the data using graphs to display the no. of employees present today, total work hours of each employee and their break time. Its added features serve as an efficient upgrade and replacement over the traditional attendance system.

Keywords:

Face detection, face recognition, image Processing, local binary pattern

Conclusion

The Face Recognition based Automated Attendance System is simple, accurate and works efficiently. This system works automatically once the registration of individual student is created by the administration. There is a need to utilize few algorithms that can perceive the appearances in order to improve the system performance and recognition accuracy.

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A Project report on

MACHINE LEARNING BASED NETWORK INTRUSION DETECTION FOR CYBER SECURITY

Submitted in partial fulfilment of the requirement

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ABSTRACT

Machine Learning-based systems act on flow features derived through exporting flow procedures. The notable emergence of Machine Learning and Deep Learning (DL) based reports presuppose that the flow of information, such as the average packet capacity, is gleaned from every packet. On common devices, However, when packet sampling is unavoidable, flow exporters are frequently used in practice. Since flow of information is derived from a sampled group of the packets rather than the entire traffic stream, the usefulness of Machine Learning-based results with the use and existence of such samplings is still up for debate. In this study, we are going to investigate in what ways the effectiveness and performance of these ML -based are affected by packet sampling. Our suggested evaluation method is resistant to various flow export stage settings, in contrast to earlier studies. Hence, it can provide a robust evaluation of even in the presence of sampling. Experimental results show that systematic linear sampler – DECISION TREE, RANDOM FOREST methods are used for predicting the intrusion systems.

Keywords: Supervised Learning, Anomaly Detection, Intrusion Detection, Random Forest, Neural Network, Decision Tree, Support Vector Machine, ML techniques, e-learning, Principal Component Analysis.

CHAPTER 8

CONCLUSION

We suggested a methodology for evaluating ML-based algorithms properly. From our best well known recollections, we are exhibiting as the first to suggest Flow Level NIDS evaluation paradigm which can be used even when sampling is present. Using the suggested evaluation approach, we showed how resolving the training-data imbalance resulted in a surprising performance boost. Even with a gentle 1/10 sample rate, sampling trials reveal that 50% of harmful flows are not exported. Our analysis of the viability of Machine Learning based techniques in the existence of sample shows that in general, such Sampling will decrease the performance of NIDS. Apart from this we found that this sampling method can improve its performance when sources like the measuring device's flow cache are available. We solely concentrated on usage detection based to keep the complexity modest. Future research should also look for the effects Sampling on NIDS which is based on anomalies. Another drawback of current research and study is that the size of the sample is relatively very small. The number of cache sizes we could test in our flow cache tests was similarly restricted to four. As a result, larger research with various dimensions may be conducted in the future. Investigating the impact of sampling using high sampling rates is one approach. The inclusion of a thorough list of sample strategies and ML/DL approaches is another direction. Additionally, doing these tests on numerous, diverse datasets results in more convincing justifications for the impact of Sampling at the throughput.

A Project report on

TWITTER SENTIMENT ANALYSIS IN REAL TIME

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

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ABSTRACT

A lot of knowledge is available to internet users on the web because to the development of web technology, which is also growing. A lot of information is also produced as a result. Online education, idea exchange, and opinion sharing have all found a home on the internet. Social networking services like Twitter, Facebook, and Google+ are quickly gaining popularity as a result of the ability for users to send messages globally or share and express their opinions on a variety of issues. In the area of sentiment analysis of twitter data, a lot of work has been done. This study primarily focuses on sentiment analysis of Twitter data, which is important to explore the information within tweets where opinions are very unstructured, varied, and either positive or negative, or sometimes neutral. In this project, we provide evaluation measures as well as comparative studies of existing methods for opinion mining, including lexicon-based methods and machine learning techniques. We provide research on Twitter data streams utilizing different machine learning methods, such as Naive Bayes, NLP-stemming, lemmatization, word tokenization, and Support Vector Machine.

CHAPTER-1

INTRODUCTION

Keywords:

Data Pre-Processing, Word Tokenization, Stemming And Lemmatization, POS Tagging, Machine Learning, Opinion Mining.

CONCLUSION AND FUTURE ENHANCEMENT

9.1 CONCLUSION:

With the help of machine learning techniques like the Random Forest method, this approach was suggested as a reliable way to detect agricultural production. As compared to the outcomes produced by the reinforcement learning algorithm, the suggested model is proved to produce efficient and effective results by the examination of the experimental findings. Comparing the suggested approach to the reinforcement learning model, it can forecast crop yield with an exceptional level of accuracy.

9.2 FUTURE WORK:

In the future, we can also take into account data that is derived from datasets that are published on reliable websites and contains details about the weather, soil, and other environmental variables. Future modifications to the model could potentially take into account the decision trees' maximum depth. Because the type of dataset has an impact on analysis, using more cleaned and preprocessed data may result in excellent outcomes

A Project report on

"PREDICTIVE ANALYTICS WITH MACHINE LEARNING FOR FRAUD DETECTION OF ONLINE MARKETING TRANSACTIONS"

Submitted in partial fulfillment of the requirement

for the award of the degree of

BACHELOR OF TECHNOLOGY

In

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ABSTRACT

Online transactions are growing increasingly vulnerable to frauds and threats, which results in data leakage and personal details exposed to fraudsters, causing massive loss to customers. This is due to digital tactics coping up with online marketing systems, large data provided to these sectors. This forces online marketing systems to adapt to advanced data security and handling technology solutions like machine learning, deep learning, and predictive analytics that are effective enough to handle highly sensitive data, predict frauds, and identify undesirable behavioral patterns in this data. The most effective and informative approach to apply in this field is suggested after reviewing the many advanced technologies usually used to handle this sort of data.

Keywords: Supervised learning, fraud detection, and machine learning are some relevant.

CHAPTER 1

INTRODUCTION

8. CONCLUSION AND FUTURE ENHANCEMENTS

CONCLUSION:

We have successfully developed unsupervised ML models in this application to determine whether a transaction is fraudulent or not. We found that Random Forest, KNN, and Extreme Gradient Boosting perform the best, with good accuracy, precision, and recall scores.

FUTURE SCOPE:

By using strategies for treating data that is imbalanced, this system can be expanded to increase the precision and recall ratings of our machine learning models.

A STUDY ON PERFORMANCE EVALUATION OF SELECTED BALANCED MUTUAL FUNDS BY USING INDEX MODEL WITH REFERENCE TO KARVY STOCK BROKING

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirement for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted By

M.SHIVA SHANKAR REDDY
Roll No: 21701E0066

Under the Guidance of

DR.V.MOUNESWARI, MBA, Ph. D

Assistant Professor

MASTER OF BUSINESS ADMINISTRATION

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New Boyanapalli, Rajampet

KADAPA – 516216

(2021 – 2023)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR

DEPARMENT OF

MASTER OF BUSINESS ADMINISTRATION

BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON PERFORMANCE EVALUATION OF SELECTED BALANCED MUTUAL FUNDS BY USING INDEX MODEL WITH REFERENCE TO KARVY STOCK BROKING"** is the bonafide work carried out by **M.SHIVA SHANKAR REDDY**, Regd. No: **21701E0066** is submitted in the partial fulfillment of the requirements for the award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the year 2021-2023.

26/08/23

PROJECT GUIDE

26/8/23

HEAD OF THE DEPARTMENT

Head of the Department
Master of Business Administration
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New Boyanapalli, RAJAMPET - 516 126,
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EXTERNAL EXAMINER

1.1 INTRODUCTION

A Mutual fund is a trust that pools the savings of a number of investors who share a common financial goal. The money thus collected is invested by the fund manager in different type of securities depending up on the objective of the scheme. These could range from debentures to money market instruments. The income earned through these investments and the capital appreciations released by the scheme are shared by its unit holders in proportion to the number of units owned by them (pro rata). Thus, a mutual fund is the most suitable investment for the common man as it offers an opportunity to invest in a diversified, professionally managed portfolio at a relatively low cost anybody withy an investable surplus of a littlie as a few thousand rupees can invest in mutual funds. Each mutual fund scheme has a defined investment objective and strategy.

Mutual funds now represent perhaps most appropriate investment opportunity for most investors. As financial markets become more sophisticated and complex, investors need a financial intermediary who provides the required knowledge and professional expertise on successful investing. As the investor always try to maximize the returns and minimize the risks.

The basic purpose of the study is to give broad idea on mutual funds and analyze various schemes to highlight the diversified investment the mutual fund offers to its investors. Through this study one can understand how to invest In mutual funds and turn the raw investment in to ripen fruits by taken wise decisions, taking the risk factors in to account.

The study covers the basic meaning, concept, structure and the organization of the mutual fund. The study is restricted to explain only the returns provided by the mutual funds from various schemes.

In the year 1963, the first mutual fund in India introduced when the government of India launched UTI (unit trust of India). UTI launched the first mutual fund scheme in 1964. Until 1987 UTI enjoyed a monopoly in the Indian mutual fund market. Indian mutual fund industry had a quick growth as a result of development of infrastructure, rise in foreign participation and increase in personal financial asset. When compared to the other investment vehicles like FD's (Fixed deposit) and postal

5.3CONCLUSION

Investors while investing in mutual fund have to verify documents related to investment, because risk play significance role while investing, returns are subject to market risk. Balanced funds more invest into equities because it is the only investment option provides greater rate of return in long-run, prospective investors are suggested to avoid speculation.

A STUDY ON

Brand awareness with Reference To Nandi

pipes Private Ltd.

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND

SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfilment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

G.Sai Murali Goud

(Roll No: 21701E0055) Under

the Guidance of

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Assistant Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

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NEW BOYANAPALLI, RAJAMPET ANNAMAIAH DISTRICT -516126

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DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that the project work entitled "**A STUDY ON BRAND AWARENESS WITH REFERENCE TO NANDI PIPES PRIVATE LIMITED**" is the bonafide work carried out by G.SAI MURALI GOUD, Regd. No:21701E0055, is submitted in partial fulfillment of the requirements for the award of degree of MASTER OF BUSINESS ADMINISTRATION during in the year 2021-2023.

28/8/23

Project guide

02/09/23.

External Examiner

28/8/23

Head of department

Head of the Department
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INTRODUCTION

1.1 BACKGROUND OF THE STUDY

Brand awareness is related to the functions of brand identities in consumers' memory and can be reflected by how well the consumers can identify the brand under various conditions. Brand awareness includes brand recognition and brand recall performance. Brand recognition refers to the ability of the consumers to correctly differentiate the brand they previously have been exposed to. This does not necessarily require that the consumers identify the brand name. Instead, it often means that consumers can response to a certain brand after viewing its visual packaging images. Brand recall refers to the ability of the consumers to correctly generate and retrieve the brand in their memory. A brand name that is well known to the great majority of households is also called a household name.

IMPORTANCE

"Awareness, attitudes, and usage (AAU) metrics relate closely to what has been called the Hierarchy of Effects, an assumption that customers progress through sequential stages from lack of awareness, through initial purchase of a product, to brand loyalty." In total, these AAU metrics allow companies to track trends in customer knowledge and attitudes. Although the hierarchy of effects is considered as a one-way linear relationship, these three stages are not "clear-cut". The causal link might be reversed. The usage could cause the awareness while the attitudes can also influence the awareness. For example, one owned a Dell wireless mouse and had excellent using experience. Such experience might determine the one's favorite brand attitude toward Dell.

5.3 CONCLUSION

Nandi pipes Private Limited, Nandyal service is provide as a stand out among all existing services satisfactory services in certain aspects such as quality and value added services Most of the respondents are aware of brand. It is found that good advertising pattern are followed by Nandi pipes services and the customers are satisfactory when compare to competitors After analysing all these factors it is intended to suggest that sum of the development factors like increasing frequency rate advertisement and better availability facilities.

A STUDY ON

Performance of mutual fund with Reference to Reliance mutual funds, Hyderabad

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfilment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

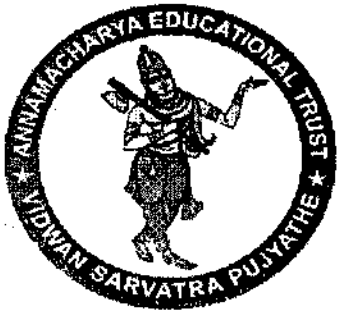
D.SRAVANI

(Roll No: 21701E0073)

Under the Guidance of

Dr G RAMANJENUYULU , M.B.A,Phd

Assistant Professor



DEPARTMENT OF BUSINESS ADMINISTRATION

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ANNAMAIAH DISTRICT -516126

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DEPARMENT OF MASTER OF BUSINESS ADMINISTRATION

BONAFIDE CERTIFICATE This is to certify that the project work entitled **"A study on Performance of mutual fund with Reference to Reliance mutual funds, Hyderabad"** is the bonafide work carried out by **D. SRAVANI,** Regd. No: **21701E0073,** is submitted in the partial fulfilment of the requirements for the award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the year 2021-2023.

Project Guide

Head of the Department

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Annamayya Dist. A.P.

External Examiner

INTRODUCTION

A Mutual Fund is a trust that pools the savings of a number of investors who share a common financial goal. The money thus collected is invested by the fund manager in different types of securities depending upon the objective of the scheme. These could range from shares to debentures to money market instruments. The income earned through these investments and the capital appreciation realized by the scheme is shared by its unit holders in proportion to the number of units owned by them (pro rata). Thus a Mutual Fund is the most suitable investment for the common man as it offers an opportunity to invest in a diversified, professionally managed portfolio at a relatively low cost. Anybody with an investible surplus of as little as a few thousand rupees can invest in Mutual Funds. Each Mutual Fund scheme has a defined investment objective and strategy.

A mutual fund

is just the connecting bridge or a financial intermediary that allows a group of investors to pool their money together with a predetermined investment objective. The mutual fund will have a fund manager who is responsible for investing the gathered money into specific securities (stocks or bonds). When you invest in a mutual fund, you are buying units or portions of the mutual fund and thus on investing becomes a shareholder or unit holder of the fund.

Mutual funds are considered as one of the best available investments as compare to others they are very cost efficient and also easy to invest in, thus by pooling money together in a mutual fund, investors can purchase stocks or bonds with much lower trading costs than if they tried to do it on their own. But the biggest advantage to mutual funds is diversification, by minimizing risk & maximizing returns.

There are a lot of investment avenues available today in the financial market for an investor with an investable surplus .He can invest in bank deposits, corporate debentures, and bonds where there is low risk but low return. He may invest in mutual of companies where the risk is high and the returns are also proportionately high.

CONCLUSION

- In today's world of investments a common investor cannot create his own portfolio and manage its risk.
- Investor needs a portfolio manager who invest the fund in selected securities among the different industries,
- So that to minimize the risk (systematic risk and unsystematic risk) and maximizing the return.
- These portfolio management services are provided by the mutual fund companies and also we can invest small funds in the funds.
- The mutual funds are best investment avenue for the common investors.
- It is concluded that mutual funds are subject to market risk. So know about the scheme before investing in that scheme.
- The analysis and inter presentations of the project helps the individual to minimize the risk and getting maximum returns by comparing different company.
- The investor by opting the portfolio analysis of different mutual funds to earn more returns when compared to other.
- Therefore it is important to analyze the different decisions of risk and return while investing.
- Overall the performance evaluation of the selected funds it is observed that during the period of study no fund is enabling the reward for the risk taken due to the market fluctuations.

A STUDY ON

IMPACT OF PROFITABILITY ON INVENTORY

With reference to NATIONAL THERMAL POWER COROPORATION LTD.

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

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(Roll No: 21701E0075)

Under the Guidance of

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Assistant Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

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(2021-2023)

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON IMPACT OF PROFITABILITY ON INVENTORY WITH REFERENCE NATIONAL THERMAL POWER COROPORATION LTD, HYDERABAD "is** the bonafide work carried out by **G. SREELEKHA**, Regd. No: **21701E0075,** is submitted in the partial fulfillment of the requirements for the award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the year 2021-2023.

Project Guide

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Annamayya Dist. A.P.

External Examine

INTRODUCTION

Every enterprise needs inventory for smooth running of its activities it serves as a link between production and distribution process. There is generally, a time lag between there cognition of need and its fulfillment. The greater the time lag, the higher requirement for inventory. It also provides a cushion for future price fluctuations.

In a complex industry like NTPC it studied clearly of how the thing are being performed and what is the real impact of these on industry and how effectively is utilized is interested to be known by researcher because of its great significance in the research.

Inventory can be referred to as sum of the value of raw materials fuels and lubricants, spare parts, maintenance consumables, semi processed materials and finished goods, stock at any given point of time. In large companies' inventory place a most significant part of the current assets. The business has about 15 to 30% of inventories in total assets. Inventory is composed of assets that will be sold in feature in the normal course of business operations. The assets which firms stores as inventory is anticipation of need are raw materials, work in progress and finished goods.

"The term inventory refers to assets, which will be sold in future in the normal course of business operations. The assets which the firm stores as inventory in anticipation of need are raw materials, work in progress/process, and finished goods.

" Inventory management consists of maintaining for a given financial investment an adequate of something in order to meet and accepted pattern of demand.

Inventory considers control over costs of inventory on one hand and handle the size of inventory on other hand.

According to Mark Twain "Inventory management is primarily about specifying the size within a facility or within multiple locations of a supply network to protect the regular and planned course of production against the random disturbance of running out of materials or goods".

Terms Used in Inventory Management Frequently

- **Business strategy**

  The set of strategic decisions that affect a whole business

- **Capacity**

  The maximum throughput of a process in a given time

CONCLUSION

The main purpose of this study the study helps a log to various departments to take steps to control the inventory process. The materials are equivalent to cash and they make up an important part of the total cost. It is essential that materials should need to be properly safeguarded and correctly accounted. Need of study is, To Proper control of material can make a substantial contribution to the efficiency of a business. The need of study is the success of a business which largely depends upon efficient purchasing, storage, consumption and accounting.

The overall study the study is

- Over all the inventory management and profitability of NTPC is satisfactory.
- The production of power during 2017-18 was 7,47,436 and 7,77,092 respectively which is higher as compared to 2016-17 which is 6,87,373 Nd 7,27,447 respectively.
- Investments on raw material are 93610.78 lakhs which very high as compared to 2017-14which is only 460870.45 lakhs.
- The inventory turnover ratio shows that the stock has been converted into sales is only 1.32 times.

A STUDY ON

FINANCIAL STATEMENT ANALYSIS With reference to

CAPRICORN FOOD PRODUCTION INDIA LTD, CHITTOR

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

A. TEJA

(Roll No: 21701E0081)

Under the Guidance of

Mr. K. SUBBAREDDY,M.B.A.,Mcom

Assistant Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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NEW BOYANAPALLI, RAJAMPET ANNAMAIAH DISTRICT -516126

(2021-2023)

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NEW BOYANAPALLI, RAJAMPET -516126

CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON FINANCIAL STATEMENT ANALYSIS** with reference to **CAPRICORN FOOD PRODUCTS INDIA LTD "** is submitted by **A.TEJA (21701E0081)** is a bonafide student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET** for the award of **Master of Business Administration**, is a record of independent project work undertaken by him, under my supervision and guidance.

Project Guide

Head of the Department

Head of the Department
Master of Business Administration
Annamacharya Institute of Technology and Sciences
New Boyanapalli, RAJAMPET - 516 126.
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External Examiner

CHAPTER - 1

1.1 INTRODUCTION

In our present economy, finance is defined as the provision of money at the time when it is required. Every enterprise, whether big, medium of small, needs finance to carry its operations and to achieve its targets. In fact, finance is so indispensable today that is rightly said to be the lifeblood of an enterprise. Without adequate finance, no enterprise can possibly accomplish its objectives.

Financial management is applicable to every type of organization, irrespective of its size kind of nature. It is as useful to small 6concern as to a big unit. A trading concern gets the same utility from tits application as a manufacturing unit may expect. This subject is important and useful for all types of ownership organizations. Where there is a use of finance. Financial management is helpful. Every management aims to utilize its funds in a best possible and profitable way. So this subject is acquiring a universal applicability.

It is indispensable in any organization as helps in:

i. Financial planning and successful promotion of an enterprise;

ii. Acquisition of funds as and as when required at the minimum possible cost.

iii. Proper use and allocation of funds.

iv. Taking sound financial decisions

v. Improving the profitability through financial controls.

vi. Increasing the wealth of investors and the nation, and

vii. Promoting and mobilizing individual and corporate savings

5.3 CONCLUSION

The profitability is decreasing from year to year. The company should take steps to increase sales and resultantly the profit. Capricon food production profitability position was deteriorated year by year, liquidity position also moderate long term solvency of the firm is also moderate due to high debts the firm's efficiency in utilizing assets is also very low.

A

PROJECT REPORT ON

ONLINE HOUSE CONSTRUCTION SUPPORTING SYSTEM

Submitted in partial fulfillment of the
requirement for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Y. DHANAIAH
(Regd.No:21701F0030)

Under the Guidance of
Dr. C. MADANA KUMAR REDDY
Associate Professor & HOD

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E, New Delhi &Affiliated to J.N.T.U.A, Ananthapuramu)

2021-2023

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Takeoff/Proj-Accpt-76/23
Verification ID: TK102477

PROJECT CONFIRMATION LETTER

To
The Principal,
Annamacharya Institute of Technology and Sciences,
New Boyanapalli,
Rajampet - 516126.

Dear Sir/Madam,

Subject: Project Confirmation Letter

This is to certify that **Mr. Yamana Dhanaiah** studying **MCA** bearing the **Reg No: 21701F0030** from **"Annamacharya Institute of Technology and Sciences."** has been accepted to do his project entitled on **"Online House Construction Supporting System"** as part of his academic project curriculum in our organization.

The project will be done using **"Python"** during the period from **May 2023** to **August 2023** under the guidance and supervision of our developers from **Takeoff edu Group, Tirupati**.

We wish you all the best for your future endeavors.

For Takeoff edu Group,

Authorized Signature

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTHAPUR, ANANHAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"ONLINE HOUSE CONSTRUCTION SUPPORTING SYSTEM"** is the bonafide work carried out by **Y. DHANAIAH, Regd.No: 21701F0030** is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year 2020-2022.

Project Guide

Head of the Department

18/10/23

Internal Examiner

External Examiner

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Takeoff/Project-110/23
Verification ID: TK102477

PROJECT COMPLETION CERTIFICATE

To,
The Principal,
Annamacharya Institute of Technology and
Rajampet,
Annamayya District.

Dear Sir/Madam,

Sub: Project Completion Letter- Reg.

This is to certify that **Mr. Y.Dhanaiah (Reg: 21701F0030)** has done project **in Takeoff Edu Group.,** Tirupati with tittle **"Online House Construction Supporting System"** using **Python** is bonafine work done by the student in partial fulfillment of the academic requirements from **May 2023 to August 2023** for award of MCA from **"Annamacharya Institute of Technology & Sciences,(Autonomous) Rajampet."**

We wish him all the best in all his future endeavors.

For Takeoff Edu Group.,

Authorized Signatory.

Abstract

Online House Construction Supporting System is a web application in which we can get online help of architects, builders, distributors and vaasthu experts for the construction of our new houses or buildings.In this application we will get the list of contractors, architects available in the specific location. This is a web based application where we can get several designs for the construction of a house. The main objective of this project is to provide essential solutions to those inspire building teams to design and construct. We can see the house designs with the help of search module, in this module we can search with the cost or with the design plans (e.g. two bedrooms house designs) details.This web application also contains the module called rent houses which can provides the opportunity to see the details of rent houses in the specified location and user can upload rent houses details which are known to them.

CONCLUSION

The proposed system can provides number of plans and designs and also includes the suggestions from the experts. We can see the house designs with the help of search module, in this module we can search with the cost or with the design plans (e.g. two bedrooms house designs) details. In the previous system if citizen wants to buy new house he directly meet the architects to develop a plan related to his constraints and contact the builders and material distributors individually so that they have a plan according to the constraints.. As it is a time consuming process and may involve unavailability of personnel, I am proposing a common interface for the architects, contractors, customers, builders and distributors who are involved in the construction of a house. This web application also contains the module called rent houses which can provides the opportunity to see the details of rent houses in the specified location and user can upload rent houses details which are known to them.

A

PROJECT REPORT ON

IDENTIFICATION OF HATE SPEECH USING NATURAL LANGUAGE PROCESSING AND MACHINE LEARNING

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Ms. C. MADHAVI
(Regd.No:21701F0066)

Under the Guidance of
Mrs. P. KAVITHA
Assistant professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E, New Delhi &Affiliated to J.N.T.U.A, Ananthapuramu)

2021-2023

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Takeoff/Proj-Accpt-53/23
Verification ID: Tk102555

PROJECT CONFIRMATION LETTER

To,
The Principal,
Annamacharya Institute of Technology and Sciences,
New Boyanapalli,
Rajampet - 516126.

Dear Sir/Madam,

Subject: Project Confirmation Letter

This is to certify that **Ms. ChinnaReddy Madhavi** studying **MCA** bearing the **Reg No: 21701F0066** from **"Annamacharya Institute of Technology and Sciences."** has been accepted to do her project entitled on **"Identification Of Hate Speech Using Natural Language Processing And Machine Learning"** as part of her academic project curriculum in our organization.

The project will be done using **"Python"** during the period from **May 2023** to **August 2023** under the guidance and supervision of our developers from **Takeoff edu Group, Tirupati**.

We wish you all the best for your future endeavors.

For Takeoff edu Group,

takeoffedu Group Tirupati

Authorized Signature

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTHAPUR,

ANANTHAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"IDENTIFICATION OF HATE SPEECH USING NATURAL LANGUAGE PROCESSING AND MACHINE LEARNING"** is the bonafide work carried out by **Ms. C. MADHAVI, Regd.No: 21701F0066** is submitted in the partial fulfillment of the requirements for the award of degree of **Master of Computer Applications** during the year 2021-2023.

Project Guide

Head of the Department
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Head of the Department

Internal Examiner

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Takeoff/Project-58/23
Verification ID: TK102555

PROJECT COMPLETION CERTIFICATE

To,
The Principal,
Annamacharya Institute of Technology and Sciences,
Rajampet,
Annamayya District.

Dear Sir/Mădam,

Sub: Project Completion- Reg.

This is to certify that **Ms.Chinnareddy Madhavi (Reg: 21701F0066)** has done project in **Takeoff Edu Group., Tirupati** with title **"Identification of Hate Speech Using Natural Language Processing and Machine learning "** with **Python** is bonafide work done by the student in partial fulfillment of the academic requirements from **May 2023 to August 2023** for award of **MCA** from **Annamacharya Institute of Technology and Sciences(Autonomous), Rajampet.**

We wish her all the best in all her future endeavors.

For Takeoff Edu Group.,

Authorized Signatory.

ABSTRACT

Over the last decade, social media has acquired a lot of traction, both positively and negatively. In this fast growth of social networking, People can communicate with one other via platforms and websites. Directly with no cultural or economic barriers While There have been several advantages to using social media, yet there are none. Less negative societal effects One such issue that has arisen is Hate speech has been moreprevalent in recent years. Hateful speeches essentially the use of rude and abusive words. Using social media. It might relate to anybody or something specific. A collection of people who have common interests. It introduced our approach to dealing with hate speech and, to a considerable part, decreasing it. People express their hatred and rage on social media right instantly, which hurts the sentiments of others. It would have an extremely detrimental influence on their caste, creed, religion, and race. Some statements may not be intended to offend anyone, yet nonetheless are considered hate speech owing to the filthy language used. To eradicate hate speech, we dug deep into natural language processing andemployed several machine learning models to choose which one to deploy based on accuracy.

CONCLUSION

Hate speech is very harmful and hence needs to be dealt with very seriously for its elimination. It does not only lead to real life conflicts but also affects the mental health of a person. Some people cannot take the hate speech and it affects them quite badly. In this paper, we have stated our way to detect any type of hate speech. It can briefly explain the various features of Natural Language Processing that were used. It can implement various machine learning classifiers and selected the one with the maximum accuracy. One of the use case for the future work in this system could be the detection of long phrases or sentences. Another use case can be the detection of a person's behaviour from its past posts and comments and hence limiting the spread of hate speech

A

PROJECT REPORT ON

DYNAMIC VM SCALING: PROVISIONING AND PRICING THROUGH ONLINE AUCTION

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. NIKHIL KUMAR CHIPPAGIRI
(Regd.No:21701F0086)

Under the Guidance of
Mr. S. MASTAN
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E, New Delhi &Affiliated to J.N.T.U.A, ANANTAPUR)

2021-2023

Manosys
Technologies

PROJECT CONFIRMATION LETTER

To,
The Principal,
Annamacharya Institute of Technology and Sciences,
New Boyanapalli,
Rajampet – 516126.

Dear Sir/Madam,

Subject: Project Confirmation Letter

This is to certify that **Mr.CHIPPAGARI NIKHIL KUMAR** studying **MCA** bearing the **Reg.No: 21701F0086** from**"Annamacharya Institute of Technology and Sciences"** has been accepted to do his project entitled on **"Dynamic VMScaling: Provisioning and Pricing through an Online Auction"** as part of his academic project curriculum in our organization.

The project will be done using **"Java"** during the period from **May 2023** to **August 2023** under the guidance and supervision of our developers from **Manosys Technology Pvt Ltd, Bengaluru**.

We wish you all the best for your future endeavors.

MANOSYS TECHNOLOGIES PVT LTD ★ Bangalore

Authorized Signature

+91 996-353-4110
manosystechnologies@gmail.com
www.manosystech.com
F#2, V R K H building, Marathahalli,
Bengaluru, Karnataka 560037

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"DYNAMIC VM SCALING: PROVISIONING AND PRICING THROUGH ONLINE AUCTION"** is the bonafide work carried out by **Mr. NIKHIL KUMAR CHIPPAGIRI,** Regd.No:**21701F0086** is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year 2021-2023.

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner

Manosys
Technologies

PROJECT COMPLETION CERTIFICATE

To
The Principal
Annamacharya Institute of Technology & Sciences,
Rajampet,
Annamayya(D).

Dear **Sir/Madam.**
Sub: **Project Completion Letter-Reg**

This is to certify that **Mr. Nikhil Kumar Chippagiri (Reg. No.21701F0086)** student of **Annamacharya Institute of Technology & Sciences (Autonomous),** has successfully completed the project Titled:**"Dynamic VM Scalling:Provisioning And Pricing Through An Online Auction"using "JAVA"** in this Organization from May 2023 to August 2023.

The Project was completed to our satisfaction and he showed keen interest during the above period. We place our appreciation for his best efforts.

Further we would like to inform you that since the source code is our intellectual property, as such we are not in a position to part with source code.

Authorized signature

MANOSYS TECHNOLOGIES PVT LTD Bangalore

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+91 996-353-4110
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www.manosystech.com
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ABSTRACT

Today's IaaS clouds allow dynamic scaling of VMs allocated to a user, according to real-time demand of the user. There are two types of scaling: horizontal scaling (scale-out) by allocating more VM instances to the user, and vertical scaling (scale-up) by boosting resources of VMs owned by the user. It has been a daunting issue how to efficiently allocate the resources on physical servers to meet the scaling demand of users on the go, which achieves the best server utilization and user utility. An accompanying critical challenge is how to effectively charge the incremental resources, such that the economic benefits of both the cloud provider and cloud users are guaranteed. There has been online auction design dealing with dynamic VM provisioning, where the resource bids are not related to each other, failing to handle VM scaling where later bids may rely on earlier bids of the same user. As the first in the literature, this paper designs an efficient, truthful online auction for resource provisioning and pricing in the practical cases of dynamic VM scaling, where: (i) users bid for customized VMs to use in future durations, and can bid again in the following time to increase resources, indicating both scale-up and scale-out options; (ii) the cloud provider packs the demanded VMs on heterogeneous servers for energy cost minimization on the go. We carefully design resource prices maintained for each type of resource on each server to achieve threshold-based online allocation and charging, as well as a novel competitive analysis technique based on submodularity of the offline objective, to show a good competitive ratio is achieved. The efficacy of the online auction is validated through solid theoretical analysis and trace-driven simulations.

Conclusion:

The Java-based project "Dynamic VM Scaling Provisioning and Pricing through an Online Auction" offers a robust solution for managing virtual machine (VM) allocation in response to varying resource demands in cloud environments. It employs an online auction mechanism to optimize pricing and provisioning, fostering cost-efficiency and scalability.

Key achievements include dynamic VM scaling, ensuring resource allocation aligns with workload for cost savings. The auction mechanism introduces competitive bidding for fair VM allocation based on user-offered prices. The project's modular and extensible architecture enables integration with existing cloud services, leveraging Java's platform independence.

Efficient resource allocation minimizes over-provisioning and under-provisioning, reducing costs for cloud providers and enhancing application performance. Robust security features protect sensitive user data and prevent unauthorized VM access.

In summary, this project effectively addresses cloud resource allocation and pricing challenges, offering a valuable tool for cloud service providers and application developers, optimizing resource usage, reducing costs, and enhancing scalability.

A

PROJECT REPORT ON

HOSPITAL MANAGEMENT SYSTEM WITH CHATBOT

Submitted in partial fulfilment of the

requirement for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. SIVA GANESH KUMAR MAGANTI

(Regd No: 21701F00E1)

Under the Guidance of

Mr. B. HARI KRISHNA

Assistant professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY &SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126 (A.P).

(Accredited A-Grade by NAAC, Bangalore)

(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Ananthapuramu)

2021-2023

*****

Manosys
Technologies

PROJECT CONFIRMATION LETTER

To,
The Principal,
Annamacharya Institute of Technology and Sciences,
New Boyanapalli,
Rajampet – 516126.

Dear Sir/Madam,

Subject: Project Confirmation Letter

This is to certify that **Mr.MAGANTI SIVA GANESH KUMAR** studying **MCA** bearing the **Reg.No: 21701F00E1** from **"Annamacharya Institute of Technology and Sciences"** has been accepted to do his project entitled on **"Hospital Management System With Chatbot"** as part of his academic project curriculum in our organization.

The project will be done using **"Python"** during the period from **May 2023** to **August 2023** under the guidance and supervision of our developers from **Manosys Technology Pvt Ltd, Bengaluru**.

We wish you all the best for your future endeavors.

MANOSYS TECHNOLOGIES PVT LTD Bangalore

Authorized Signature

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ANNAMACHARYA INSITITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTHAPUR, ANANTHAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"HOSPITAL MANAGEMENT SYSTEM WITH CHATBOT"** is the bonafied work carried out by **Mr. SIVA GANESH KUMAR MAGANTI, Regd No:21701F00E1** is submitted in the partial fulfillment of the requirements for the award of degree of **Master of Computer Applications** during the year 2021-2023.

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
Boyanapalli, Rajampet - 516 126

18/10/23

Internal examiner

External examiner

Manosys
Technologies

PROJECT COMPLETION CERTIFICATE

To

The Principal

Annamacharya Institute of Technology & Sciences,

Rajampet,

Annamayya(D).

Dear **Sir/Madam**.

Sub: **Project Completion Letter-Reg**

This is to certify that **Mr. Maganti Siva Ganesh Kumar (Reg. No.21701F00E1)** student of **Annamacharya Institute of Technology & Sciences (Autonomous)**, has successfully completed the project Titled: "**Hospital Management System With Chatbot**" using **"Python"** in this Organization from May 2023 to August 2023.

The Project was completed to our satisfaction and he showed keen interest during the above period. We place our appreciation for his best efforts.

Further we would like to inform you that since the source code is our intellectual property, as such we are not in a position to part with source code.

Authorized signature

MANOSYS TECHNOLOGIES PVT LTD Bangalore

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F#2, V R K H building, Marathahalli,
Bengaluru, Karnataka 560037

ABSTRACT

The project "Hospital Management System with Chatbot" is a comprehensive solution designed to enhance the efficiency and effectiveness of hospital operations. This system integrates a chatbot feature to facilitate seamless communication between patients, doctors, and hospital staff. The primary objective is to streamline the management of patient appointments, medical records, and other administrative tasks while ensuring timely and personalized patient care.

The Chatbot component acts as a virtual assistant, enabling patients to schedule appointments, receive medical advice, and access relevant information. It employs natural language processing techniques to understand user queries and provide appropriate responses, thereby reducing the burden on human staff and enabling round-the-clock availability of assistance.

By integrating a Chatbot with the hospital management system, this project aims to improve patient satisfaction, reduce administrative overhead, and enhance the overall quality of healthcare services. The solution promotes seamless communication, empowers healthcare professionals, and streamlines hospital operations, ultimately leading to improved patient outcomes.

CONCLUSION

The hospital management system chatbot's primary goal is to automate repetitive tasks in a user-friendly way so that hospital staff can concentrate on important tasks. It also enables quick response for customers instead of making them wait for staff to answer their questions because users can interact with the bot at any time. Our chatbot's speech recognition feature makes it easier and quicker for customers to communicate. The user-interactive UI makes it easier to navigate the website. Experimented with different types of profiles to test our application. The outcomes were pleasing.

A

PROJECT REPORT ON

COLLEGE PLACEMENT CELL MANAGEMENT

Submitted in partial fulfillment of the requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. B.VISWANADHA REDDY

(Regd.No:21701F00I6)

Under the Guidance of

Mr. S. MASTAN

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as 'A' Grade by NAAC, Bangalore)

(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapuramu)

2021-2023

***

Manosys
Technologies

PROJECT CONFIRMATION LETTER

To,
The Principal,
Annamacharya Institute of Technology and Sciences,
New Boyanapalli,
Rajampet – 516126.

Dear Sir/Madam,

Subject: Project Confirmation Letter

This is to certify that **Mr.Burugu Viswanadha Reddy** studying **MCA** bearing the **Reg.No: 21701F00I6** from **"Annamacharya Institute of Technology and Sciences"** has been accepted to do his project entitled on **"College Placement Cell Management"** as part of his academic project curriculum in our organization.

The project will be done using **"Java"** during the period from **May 2023** to **August 2023** under the guidance and supervision of our developers from **Manosys Technology Pvt Ltd, Bengaluru**.

We wish you all the best for your future endeavors.

MANOSYS TECHNOLOGIES PVT LTD ★ Bangalore

Authorized Signature

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Bengaluru, Karnataka 560037

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTHAPURAMU.

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"College Placement Cell Management"** is the bonafide work carried out by **Mr. B. VISWANADHA REDDY Regd.No.21701F0016** is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year 2021-2023.

Project Guide

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
Boyanapalli, Rajampet - 516

Head of the Department

Internal Examiner

External Examiner

Manosys
Technologies

PROJECT COMPLETION CERTIFICATE

To,

The Principal,

Annamacharya Institute of Technology & Sciences,

Rajampet,

Annamayya(D).

Dear **Sir/Madam**.

Sub: **Project Completion Letter-Reg**

This is to certify that **Mr. B.Viswanadha Reddy (Reg.No.21701F00I6)**, Student of **Annamacharya Institute of Technology & Sciences (Autonomous)**, has successfully completed the project Titled: "**College Placement Cell Management**" in this Organization from May 2023 to August 2023.

The Project was completed to our satisfaction and he showed keen interest during the above period. We place our appreciation for his best efforts.

Further we would like to inform you that since the source code is our intellectual property, as such we are not in a position to part with source code.

Authorized signature

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F#2, V R K H building, Marathahalli, Bengaluru, Karnataka 560037

ABSTRACT

This paper is about a technology that provides quick placement management system in college unlike the traditional system where students as well as TPO may face many problems like insufficient details, less security, problems with manual working etc. The purpose of the Placement Management System website is to overcome the disadvantages of traditional placement systems. It enables the end users to register online through their CMSys (College Management System) account, which is a website of college created for attendance, term test marks, etc., read and apply for the company of their choice and get frequent updates regarding the placements from college TPO.There is no chance of missing the placement opportunity updates. The college placement officers will not have to get separately collect information of every student. It will automatically be updated when the student registers. The project is a website which can be easily accessed through mobile on the go.

Conclusion: -

In the existing system most of the work will be done manually, as it takes more time for any changes in the system. The major problem with this existing system is notification method available is not available for giving information about student expect the notice board or circulars. The proposed system is online training and placement management system gives the automation in all the process of campus recruitment, searching studentdetails individually. This system in future could be joined to SMS server so that it can notify the message to students via SMS for upcoming companies.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

B No.	Roll No.	Name Of The Student	Title Of The Project
1.	19705a0124	Lokeshwara Reddy Arava	Laboratory Investigation On The Strength Properties Of Permeable Concrete
	18701a0124	Gouthami Singamala	
	19705a0115	Ganga Sunil Tej Sunkara	
	19705a0125	Madhusudhan Reddy Bommu	
	18701a0113	Balaji Reddy Andra	
2.	19705a0123	Lakshmi Naresh Bheemisetty	Effects Of Hybrid Fibers And Strengths Properties Of Geo Polymer Concrete
	19705a0112	Dinesh Mudiyam	
	19705a0105	Bala Chowdaiah Bolisetty	
	19705a0122	Kulai Shareef Chinnamudiyam	
	19705a0116	Gangadhar Reddy Kalluru	
3.	18701a0121	Chandrakanth Reddy Vanipenta	Acid Resistance Of Concrete With Partial Replacement Of Kadapa Slab, Marble And Barytes Powder By 20%.
	18701a0114	Balanarasimhulu Nalli	
	18701a0106	Anil Kumar Reddy Kummetha	
	18701a0120	Chandrahasa Reddy Gali	
	19705a0119	Jagadeswar Reddy Kothapalli	
4.	19705a0103	Avinash Reddy Mule	Partial Replacement Of Aluminum Oxide In The Place Of Cement In Concrete
	18701a0116	Bhargava Reddy Andhurinarapagari	
	19705a0120	Chandrahasa Reddy Gali	
	19705a0117	Bhavana Guniputi	
	18701a0115	Ganga Sunil Tej Sunkara	
	17705a0126	Kumar Katta	
5.	**18701a0110**	Ashok Y	Design Of Traffic Signals By Webster Method
	18701a0130	Himaja Reddy B	
	18701a0141	Mohan Vamsi Pogadathotti	
	19705a0107	Chalamaiah Mudamala	
	18701a0133	Kiran Babu Lodi	
6.	**18701a0129**	Harshitha Mydam	Hydrophobic Concrete Using Waste Paper Sludge Ash
	19705a0114	Ganesh Gokana	
	18701a0137	Manoj Kumar Mesa	
	18701a0122	Ganesh Reddy Chappidi	
	18701a0117	Bhavana Guniputi	
7.	18701a0118	Bhudevi Govindagari	The Subgrade Pavement Construction With Stabilized Black Cotton Soil
	19705a0121	Chandrakanth Reddy Vanipenta	
	18701a0107	Anjali Patukuri	
	18701a0138	Mastan Shareef Parcy	
	18701a0102	Abdul Karimulla Shaik	
8.	19705a0102	Anil Kumar Reddy Somala	Seismic Analysis And Design Of A Multi Storied Building Of G+15 By Using Staad Pro
	19705a0113	Ganesh Battena	
	19705a0104	Babu Rao Badibathna	
	18701a0103	Adinarayana Chennuboyina	
	18701a0109	Aravind Buujili	
9.	19705a0108	Chandra Swaroop Sunku	Experimental Investigation On Mechanical Properties Of M30 Grade Concrete In Partial Replacement Of Cement With Egg Shell Powder
	18701a0142	Naga Kasi Dexith Jonnadula	
	18701a0135	Lokesh Siddam	
	18701a0104	Akhil Reddy Nagella	
	18701a0128	Harshini Gajjala	
	18701a0126	Guru Sai Vinod Kumar Methuku	

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

B No.	Roll No.	Name Of The Student	Title Of The Project
10.	18701a0140	Mohammad Rasool Shaik Galibaigari	Experimental Investigation On Mechanical Properties Partial Replacement Of Fine Aggregate With Copper Slag
	18701a0143	Naveen Kumar Naik Banavath	
	18701a0127	Harshavardhan Gadde	
	18701a0123	Giridhar Komishate	
11.	18701a0136	Mallikarjuna Reddy Kommireddy	Development Of Eco Bricks And Concrete With The Partial Replacement Of Cow Dung Ash
	18701a0112	Aswini Modupalle	
	18701a0105	Amad Basha Cherukuru	
	18701a0108	Aravind Alakunta	
	18701a0134	Kulashekar Reddy Bodigonda	
12.	18701a0177	Yaseen Shaik	Analysis Of Quality Of Water In Different Samples At Rajampet Zone.
	19705a0143	Sambasiva Nallapu	
	19705a0145	Santhoshnaik Bukke	
	19705a0162	Venkata Adithya Pooneti	
	18701a0146	Sasidhar Reddy Bonthapalli	
13	18701a0162	Shivakumar Reddy Ajjigutta	Chemical Resistance Of Cement Mortar By Partial Replacement Of Cement With Kadapa Slab, Marble Dust And Barytes Powder By 20%.
	19705a0158	Swarnalatha Akepati	
	18701a0147	Pruthviraju Ediga	
	18701a0153	Ravishankar Reddy Pallem	
	18701a0155	Reddysekhar Rajyam	
14.	18701a0168	Swaroopa Nossam	Experimental Investigation On Mechanical Properties Of Concrete By Partial Replacement Of Copper Slag With Fine Aggregate
	19705a0134	Naresh Angajala	
	18701a0172	Venkata Tarun Anamala	
	18701a0160	Sarath Pavan Anke	
	18701a0144	Obulreddy Siddavatam	
	18701a0154	Reddy Sreenivasulu Grandhi	
15.	19705a0159	Teja Krishna Pulaganti	Preliminary Disposal Of Bricks With Shredded Disposal Face Masks
	19705a0140	Ramesh Reddy Gangannagari	
	19705a0136	Naveen Pitta	
	19705a0169	Yogeswar Reddy Lekireddy	
	19705a0157	Surya Prakash Raj Devarapalle	
16.	18701a0164	Sreenivasa Reddy Chilakam	A Case Study On Green Buildingd
	19705a0133	Nagesh Babu Saparam	
	19705a0167	Vishnu Kanth Reddy Pathakunta	
	19705a0151	Sravani Marriboyena	
	18701a0167	Surendra Polu	
17.	19705a0152	Sreeja Marthala	Study On Mechanical Properties Of M40 Grade Concrete By Partial Replacement Of Cement With Carbon Fibers And Coarse Aggregate With Pumice Stone
	19705a0156	Sujith Kumar Gadekari	
	19705a0141	Raviteja Nagella	
	19705a0144	Sananth Kommalapati	
	18701a0148	Raghunath Reddy Kandlapalli	
18.	19705a0127	Mahendra Reddy Bijivemula	A Comparative Study Of Infiltration Rate Of Selected Sites
	19705a0165	Venkata Surendra Kumar Nallaboina	
	19705a0148	Siva Narayana Reddy Somula	
	19705a0132	Nagendra Kaveripakam	
	19705a0135	Naveen Kumar Juturu	

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

B No.	Roll No.	Name Of The Student	Title Of The Project
19.	18701a0157	Sai Prathyusha Chindukuru	Influence Of Graphene Oxide In Cement Mortar
	18701a0169	Swetha Yamala	
	18701a0145	Praveen Kumar Kamatham	
	19705a0164	Venkata Ramana Pydakula	
	19705a0168	Yateeswar Reddy K	
	18701a0151	Ram Prathap Reddy Poreddy	
20.	18701a0174	Vishnu Priya Seemakurthi	Investigation On The Stremflow At Selected Gauging Stations Of Godavari River
	18701a0176	Vydehi Balaraju	
	19705a0155	Sudarshan Nayineni	
	18701a0161	Sekharam Naik Dungavath	
	18701a0149	Siva Reddy Katterapalli	
21	18701a0163	Sivananda Reddy Bodugundu	Cement Replacement By Nano Magnesium Oxide And Nano Barytes
	19705a0129	Manoj Sai Koppolu	
	18701a0171	Veera Maheswar Reddy Atla	
	19705a0142	Sai Teja Chinthalapalli	
	18701a0156	Sujith Kumar Gadekari	
	18701a0178	Yugandhar Bukke	
22	19705a0153	Srinivasulu Reddy Poli	Ground Water Analysis Of Rajampeta: Using Geo Spatial Analysis
	19705a0146	Sasidhar Reddy Bonthapalli	
	18701a0165	Subba Narasa Reddy Sanapureddy	
	19705a0160	Tharun Kasala	
	19705a0163	Venkata Jagannath Eate	
23	19705a0149	Siva Reddy Katterapalli	Removal Of Emerging Contaminanats In Sewage Water
	18701a0158	Sandhya Yerramsetty	
	19705a0139	Ramana Reddy Alamuru	
	18701a0159	Sarath Chandra Guggilla	
	19705a0150	Siva Sankar Aritakula	

Annamacharya Institute of Technology & Sciences::Rajampet(Autonomous)

Department of Electrical and Electronics Engineering

PROJECT WORK BATCHES : - 2021-22

IV - EEE (A)

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	18709A0202	CHAITANYA KRISHNA AVULA	Dr.M.PADMA LALITHA	Liquid metal battery for energy storage
	18709A0208	VENKATA VAMSI KRISHNA TALAPANENI		
	18709A0203	SAI BHARATH GANAPATHI		
	18701A0216	GANESH REDDY GOBUGARI		
2	18701A0208	CHANDRIKA RACHAMALLU	Dr.P.JYOSHNA	Energy management based intelligent control for smart DC micro-grid
	18701A0229	MADHUSREE DESAI		
	18701A0233	MANOJ KUMAR ODETI		
	18701A0218	GNANESWARA REDDY MALLEM		
3	18701A0201	AISHWARYA SIRIGIREDDY	N.SREERAMULAREDDY	IOT based smart school bus monitoring and notification system
	19700A0212	NANDYALA VEERA KUMAR REDDY		
	19700A0205	TELLADALA MAHESH		
	19700A0206	YADALA MANIKANTA		
4	18701A0206	BHUVANESWARI GORUVA	P.SURESH BABU	Optimal DG placement using grey wolf algorithm
	18701A0210	DEEPIKA POLISETTY		
	18701A0221	HARSHAVARDHAN REDDY VENNAPUSA		
	18701A0228	MADHAVA REDDY GOPAVARAM		

5	**18701A0231**	MALLIKARJUNA ULLITHULA	**M.RAMESH**	A reactive voltage/current compensation ofhybrid DC-AC converter in micro-grid using CAPMS technique
	18701A0219	GOVARDHAN REDDY CHAGARI		
	19700A0201	LAKKIREDDY DINESH KUMAR REDDY		
	18701A0213	DIWAKAR YERRAMALA		
6	**18701A0215**	FAROOK SHAIK CHIRAKI	**L.BAYA REDDY**	Fully automatic regeneration based electricvehicle
	19700A0213	PALAGIRI VISHNU PAVAN		
	18701A0214	DURGA PRASAD GANJI		
	18701A0217	GANGA TEJESWAR MUMME		
7	**18701A0230**	MAHITHA KOVVURU	**S.MUQTHIAR ALI**	IOT based water level monitoring and damgate control
	19700A0208	MALLARI PAVAN		
	18709A0201	BALAJI UDDANDAM		
	18701A0212	DIWAKAR REDDY YEDDULA		
8	**18709A0204**	SIREESHA NARA	**P.BHASKARA PRASAD**	Simulation of wind-hydro micro grid forrural energy system
	18701A0223	KARTHIK HARIVARAM		
	19700A0204	PERAM JYOTHSNA		
	18709A0206	VAMSHIDHAR REDDY ALAVALA		
9	**18701A0202**	AMULYA SALVA	**T.ARUN KUMAR**	Fuzzy logic control based grid integration ofhybrid energy system
	18701A0203	ANITHA HASTHI		
	18709A0207	VENKATA CHARAN ARIGE		
	19700A0211	GAJJALA SANKAR REDDY		
10	**18701A0235**	NAGAVENI PANJAM	**C.GANESH**	PC based power grid control using wireless communication
	18701A0220	HARI PRIYA AVULA		
	19700A0207	P MANIKANTESWAR REDDY		
	18701A0204	ARUN KUMAR AMALDAR		

11	**18701A0207**	CHAKRAVARTHI AVULA	**Dr.K.DHANUNJAYA BABU**	Hybrid based energy storage system onbattery for micro grid
	19700A0203	NALLANI GOVARDHAN		
	19700A0210	KUMMARA PURUSHOTHAM		
	18701A0211	DILEEPTEJA YADAV DASARI		
12	**18701A0224**	KISHORE GOPAVARAM	**M.MAHESH**	Design and implementation of ANF-PLL based detection method for Offshore windpower converter under different power quality problems
	18701A0222	KALYAN KUMAR REDDY PUTTA		
	19700A0202	GUGGULLA GANGADHARA REDDY		
	18709A0205	TULASI REDDY BANDI		
13	**18701A0232**	MANASA POLISETTY	**P.RAVINDRA PRASAD**	Simulation of isolated hybrid micro gridwith fuzzy controller
	19700A0209	NAGIREDDY PUJITHA		
	19700A0214	GURIGA VISHNU VARDHAN		
	18701A0234	MOHAMMED SAMEER SHAIK		

HOD, EEE

Annamacharya Institute of Technology & Sciences::Rajampet(Autonomous)

Department of Electrical and Electronics Engineering

PROJECT WORK BATCHES : - 2021-22

IV - EEE (B)

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	18701A0263	SUJANAVEENA BALARAJU	Dr. P. GOPI	Scheme of controller for single stage solar PV fed BLDC motor driven water pump
	18701A0239	PRAGNA AVULABALAIAHGARI		
	19705A0201	ANILKUMAR BARIGELA		
	18701A0247	SAI KUMAR SAMBAGALLU		
2	18701A0271	VARA LAKSHMI JUTURU	Dr.P.B. CHENNAIAH	Simulation and modelling of wind turbine using PMSG with maximum power tracking control
	19705A0210	CHARAN B		
	19705A0207	BHARATHI VARAPANA		
	19705A0211	CHOWDARY KUMAR C		
3	18701A0268	TEJASWI PALEMPALLI	Dr. O.HEMAKESAVULU	Face mask detection using bounding box algorithm
	19705A0203	ASHOK PULLAGURA		
	18701A0282	YOGESWARA REDDY LEKIREDDY		
	18701A0279	VINAY KUMAR REDDY SURA		
4	18701A0258	SIVASANKAR REDDY BATTENA	Dr. S.SURESH	Self Adjustable step based control algorithm for grid interactive multi functional single phase PV battery system under abnormal Grid conditions
	18701A0249	SAI SURYA TEJA B P		
	18701A0261	SRICHARAN K		
	18701A0270	VAMSI KRISHNAM RAJU SANGARAJU		

5	18701A0278	VIJAYA DEEPTHI BANDI	K.HARINATHREDDY	A phase shifting MPPT method to mitigate inter harmonics from PV inverters
	18701A0245	RANGANATH KONANKI		
	18701A0238	PAWAN KUMAR REDDY KOTTE		
	18701A0237	PAVAN KUMAR KADAPALA		
6	18701A0267	SWARNA LATHA YALAMAKURU	Mrs S.SARADA	Simulation of electric grid and analysis at different conditions
	18701A0272	VENKATA KOTI REDDY BEEMACHERLA		
	18701A0240	PRAVEEN KUMAR K		
	18701A0256	SINDHUJA TUMMALA		
7	18701A0254	SHALINI MEDA	Dr. M. PADMA LALITHA	Smart notice board using mobile application
	18701A0273	VENKATA NIKHIL KUMAR MYLARU		
	19705A0208	BHARGAVA GOUD KAMBAGOUNI		
	18701A0264	SUNILKUMAR REDDY BAPATHI		
8	18701A0265	SUREKHA BATTU	D.SAIKRISNAKANTH	Real time vehicle detection system based on IOT
	18701A0275	VENKATA SUDHARSHAN YADAV AVULA		
	18701A0252	SASHIKUMAR TALLAPRODDUTURU GURRAM		
	18701A0246	SAI ANAND KUMAR CHITTIBOINA		
9	18701A0266	SUREKHA KICHAIAHGARI	Mrs. VEENA	Modelling and controller design for temperature control of heat exchangers in power plants
	18701A0274	VENKATA SAI PREETHI SANDHYAVANDANAM		
	19705A0209	GURU CHANDRA SEKHER		
10	18701A0269	TEJASWINI HASTHI	M.SAISANDEEP	IOT based smart shoe for visually impaired
	18701A0243	RAJASEKHAR RAJU KONDURU		
	18701A0259	SOWMYA EPPAGUNTA		
	18701A0241	PREM KUMAR VALMIKI		

11	18701A0280	VINISHA THALLEM	Dr.B.MADHUSUDAN REDDY	Auto gas ventilation and smart management system using IOT
	19705A0204	BABAFAKRUDDIN DHARUBAIGARI		
	18701A0248	SAI PRATHAP REDDY HASTHAVARAM		
	19705A0205	BABAVALI DUDEKULA		
12	18701A0257	SIREESHA MADIGA	B.MURALI MOHAN	Implementation of solar battery and diesel generator based electric vehicle charging station
	19705A0212	GEETHA VANI KARNA		
	18701A0236	NARASIMHA DINAKAR GURRALA		
	18701A0250	SANTHOSH KUMAR REDDY ANNAREDDY		
13	18701A0281	VISHNUVARDHAN REDDY MADITATI	K.HARINATHREDDY	Control strategy of photovoltaic generation inverter grid connected operating and harmonic elimination hybrid system
	18701A0276	VENKATESH DASARI		
	18701A0262	SRILAKSHMI VENNAPUSA		
	17701A0249	NIDIGINTI SAI KRISHNA		
14	18701A0244	RAMYA SREE DHANIREDDY	Mrs. M. MARUTHI NANDINI	Fault detection and reporting system for municipal department
	18701A0242	RACHANA DEVIREDDY		
	19705A0202	ARAVIND KUMAR BESTHA		
	17701A0206	KONDIPATI BALAJI		

HOD, EEE

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES::RAJAMPET

(Autonomous)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROJECT WORK BATCHES : - 2021-22

IV EEE -C

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	19705A0222	DUGGASANI KEERTHANA	Dr.P.B.CHENNAIAH	IOT Based Automated Indoor Hydroponic Farming.
	19705A0219	SYED IMRAN BASHA		
	19705A0233	PASUPULETI NAVEEN KUMAR		
	19705A0246	PIDUGU SARALA		
2	19705A0227	KURABA MAHESWARI	Dr.B.MADHUSUDHAN REDDY	Web Based IoT Controlling HES Using ESP8266.
	19705A0251	KOMMA BALINGANNAGARI SIVAKOTESWAR REDDY		
	19705A0245	KONDU SANTHOSH KUMAR REDDY		
	19705A0250	VUNDELA SIVA SINDHU		
3	19705A0261	GANTA VENKATADRI	Dr.P.GOPI	Auto Selections of any available phase in 3-phase supply system
	19705A0223	BATTALA KEERTHI		
	19705A0262	REVILLA VENKATAVISWAM		
	19705A0236	BAJANTHRI PAVAN KUMAR		
4	19705A0253	THEETLA SUNEELA	Dr.O.HEMAKESAVULU	An Autonomous Electric Car on E-Roads
	19705A0260	PASALA VEERASAIMOUNIKA		
	19705A0225	PARAMATAVEEDI MADHU		
	19705A0241	YETURU REDDAIAH		
5	19705A0266	DEVARA YESWANTH KUMAR REDDY	Dr.S.SURESH	Fault Level detection of a 3-phase Induction Motor using MATLAB Simulink
	19705A0265	RUDRARAJU VISHNUVARDHAN RAJU		
	19705A0256	SHAIK THAYEEB BASHA		
	19705A0216	MARE HARITHA		
6	19705A0234	VELLURU NITEESH KUMAR	Ms.P.LAKSHMI SRAVANI	Real-Time data acquisition to excel and monitoring of solar panel using Arduino
	19705A0214	VASE HARISH BABU		
	19705A0238	VADINALA RAMAKRISHNA		
	19705A0215	NADAMALA HARISH KUMAR REDDY		
7	19705A0247	SHAIK SHAMEEM	Mrs.A.HIMA BINDU	Design & Analysis of Interlinking Converters for Renewable Integration into Hybrid Grids
	19705A0259	SAKE VAMSIKRISHNA		
	19705A0243	ATOORI SAIKUMAR		
	19705A0244	NEELI SANTHOSH KUMAR		
8	19705A0242	GADIBAVI SAI KALYANI	R.MADHAN MOHAN	ZIGBEE Based WBMS Controlling of Temperature, Voltage and SOC by using Sensor Matrix
	19705A0255	MANNURU SWATHI		
	19705A0232	PUJALA NANDINI		
	19705A0239	GANDIKOTA RAMBABU		

9	**19705A0221**	TATICHERLA KANCHANA	**P.BHASKARA PRASAD**	Control Strategies for fault detection in multilevel inverter used in smart grid
	19705A0257	CHENNAMSETTY TIRUPATHI BALAJI		
	19705A0254	SIRIGIRI SURENDRA		
	19705A0263	DANDUBOYINA VIJAYCHANDER		
	19705A0264	MALA VISHNU VARDHAN		
10	**19705A0230**	KOPPALA MUNI SEKHAR	**P.SURESH BABU**	Reactive Power Compensation using vehicle to grid enabled bidirectional off board EV Charger
	19705A0228	VULASALA MANIKANTA		
	19705A0226	NAGOLA MAHESH KUMAR		
	19705A0235	THALARI PARUSURAMUDU		
11	**19705A0258**	VALLAPU REDDY VAMSEEDHAR REDDY	**Dr.P.JYOSHNA**	Optimal DG Placement using Fuzzy & Ant Lion Algorithm
	19705A0224	MIDUTHURU LEENA BHANU		
	19705A0249	MALLELA SHIVA SHANKAR		
	19705A0252	BONALA SREEKHAR		
12	**19705A0248**	KONA SHIVA PRAKASH REDDY	**Dr.K.DHANUNJAYA BABU**	Solar Power unmanned aerial vehicle with AOF under non-linear load conditions
	19705A0267	SHAIK YUSUF		
	19705A0220	AVULA JASHUVA		
	19705A0240	MEKALA RAMESH		
13	**19705A0213**	CHITTIBOINA GOWTHAMI	**N.SREERAMULA REDDY**	Load Shedding Time Management with Programmable Interface
	19705A0229	E MOUNIKA		
	19705A0237	RENDUCHERLA VALMIKI PAVANKUMAR		
	19705A0217	SHAIK HARSHAD		

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET

(AUTONOMOUS)

Department of Mechanical Engineering

Academic Project Work - B.Tech

Following is the list of project batches with titles for the academic year (2021-2022) during Fourth year.

Section: A **Batch: 2018-2022**

Batch	H.T.No	Name of the student	Guide Name	Title of the project
A 1	18701A0347	PRATHYUSHA IMMARAJU	S. M SALEEMUDDIN	Investigation of corrosion behaviour of Mg-Sn alloy by stir casting for bio medical applications
	18701A0316	HARISH REDDY CHAPPIDI		
	18701A0323	KARTHIK GUNIPATI		
	18701A0321	JAYA MALLIKARJUNA REDDY THARIGOPULA		
A2	18701A0305	BALAKRISHNA SURIMISETTY	C. THIRUPATHAIAH	Optimization of Process Parameters of Aluminum Metal Matrix
	18701A0308	CHAITHANYA SURYA KUMAR CHANDRAGIRI		
	18701A0315	HARI KATTIRAGANDLA		
	18701A0312	FAREED HUSSAIN SYED		
A 3	18701A0324	KAVITHA DHANI	N. KISHORE KUMAR	Mechanical behaviour of al 7075 by reinforcing the Tio2& BN
	18701A0310	DHANUNJAYA REDDY KANDULA		
	18701A0327	LOKANATH REDDY ANNEM		
	18701A0320	JASWANTH NAIDU POTTHURU		
A 4	18701A0303	ARUN KUMAR REDDY CHIYYETI	S .NAGENDRA	Performance test on four stroke diesel engine using biodiesel produced from waste plastic oil
	18701A0333	MANIKANTA SINGAVARAM		
	18701A0314	GOVARDHAN MALAKAPURAM		
	18701A0325	KRISHNA VARDHAN REDDY CHALLA		
	16709A0302	GANDLAPARTHI BAVESH TARUN REDDY		
A 5	18701A0302	ACHYUTH SAI KUMAR VISWABRAHMANA	M. LOKANATH	investigation of mechanical properties of Mg-Ca composites
	18709A0301	CHADRASEKHAR KAMBAIAHGARI		
	18701A0304	ASHOK REDDY BOBBITI		
	18701A0334	MANJUNATHA REDDY UPPALAPATI		
A 6	18701A0326	LEVANYA KUMAR PANDIGUNTA	Dr. N. SIVA RAMI REDDY	Corrosion Resistance on PEO coating of MgCa composition
	18701A0337	MUKESH BOYA		
	18701A0328	MADHU CHAPALA		
	19700A0301	KARAKAMUKKALA SAI BARA GANESH		
A 7	18701A0301	ABDUL MUKEETH SHAIK	T.MANI MOHAN	Reverse gear in two wheeler for handicapped
	18701A0336	MOHAMMAD ALI SHAIK		
	18701A0329	MADHU SUDHAN G		
	18701A0331	MAHAMMAD SAMIULLAH SHAIK		
A 8	18701A0318	JABEER BASHA SHAIK	Dr B. VENKATESH	Optimization of effectiveness and thermal resistance of counter flow double pipe heat exchanger by using gray relational analysis and neural network model
	18701A0335	MANOHAR REDDY P		
	18701A0309	CHARAN KUMAR REDDY BOBBALA		
	18701A0322	JAYA RAMI REDDY KAVALAKUNTLA		
A 9	18701A0317	HEMASUNDHAR MANDLI	N Deepthi	Optimization of process parameters in wire edm for stainless steel -304 by using grey relational analysis
	18701A0319	JAIPALREDDY ALAMKONDA		
	18701A0313	GIRIKUMAR REDDY NERUSUPALLI		
	18701A0306	BHANU CHAITHANYA REDDY MUMMADI		

HOD ,
Dept of Mechanical Enginering.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET
(AUTONOMOUS)
Department of Mechanical Engineering
Academic Project Work - B.Tech
Following is the list of project batches with titles for the academic year (2021-2022) during Fourth year.
Section: B **Batch: 2018-2022**

Batch	H.T.No	Name of the student	Guide Name	Title of the project
B1	18701A0339	NARENDRA BABU PEDDATHIMMAYYA GARI	Mr G. AMARNATH	Effect of Heat treatment on mechanical properties of magnesium metal matrix composites
	18701A0350	RAMESH BABU CHANNIPOGULA		
	18701A0357	SANTHOSH KUMAR REDDY NALLAMASULA		
B2	18701A0361	SIVA KUMAR POLINA	Dr.A. HEMANTHA KUMAR	Design and Fabrication of Pneumatic sheet metal cutting machine
	18701A0358	SASIDHAR VARMA CHAMARTHI		
	18701A0344	PAVANKUMARACHARI RAVURU		
	18701A0362	SREEKANTH N		
	18701A0348	PRUDHVI KUMAR REDDY NALAPAREDDY		
B3	18701A0373	VENKATESH SOOLAM	Mr P. RAVINDRANATHA REDDY	Wear behaviour of Aluminium Hybrid MMCs(AL7075/TiO2/WC)
	18701A0359	SHAKEER HUSSAIN MULLA		
	18701A0368	THARUN KUMAR REDDY GUDIPATI		
	18701A0351	RAVI ATLURU		
B4	18701A0372	VENKATA VISHNUVARDHAN REDDY AVULA	Ms K. NAGAMANI	Development of the hybrid composites of Al7075 by reinforcing the TiO2 and WC
	18701A0353	RITHWIK KUMAR REDDY VUNDELA		
	18701A0375	VINODKUMAR REDDY SANEPALLI		
	18701A0355	SAI KUMAR DASARI		
B5	18701A0363	SREEKAR REDDY ABBASANI	Mr K.AJAYA KUMAR REDDY	Corrosion studies of Duplex Coating on Magnesium alloy for orthopedic applications
	18701A0364	SRINIVASA KALYAN ANKULAGARI		
	18701A0370	VENKATA KRISHNA REDDY GANGI REDDY		
	18701A0349	RAJESH KUMAR REDDY VENNAPUSA		
	18701A0354	SAI DEEKSHITH REDDY CHAMALA		
B6	18701A0377	YASHWANTH PATHIPATI	Dr KRISHNA MOHAN RAJU	Study and Kinematic design of vCNC based multi purpose machine tool
	18701A0352	RAVITEJA REDDY MADDIREDDYGARI		
	18701A0369	VAMSIKUMAR REDDY KATHI		
	18701A0356	SAIVARUN GANNE		
B7	18701A0371	VENKATA SURESH PALETI	Mr N. NAGARAJU	Experimental investigation and optimization of CNC milling parameters on Al6063 through Taguchi method
	18701A0346	PRASANTH THALUPULA		
	18701A0360	SHARAN KRISHNA GUNIPINENI		
	18701A0342	NIKHIL YERRAGOLLA		
	18701A0341	NAVEEN KUMAR CHERI		
B8	18701A0365	SUDHAKAR REDDY RAGIPINDI	Mr N. JAYA KRISHNA	Investigation on mechanical properties of magnesium metal matrix composite with cryogenic treatment
	18701A0343	NIRANJAN KUMAR REDDY JEEREDDY		
	18701A0376	VISHNU VARDHAN REDDY YALLAREDDYGARI		
	18701A0340	NARENDRA REDDY MANAMASU		
B9	18701A0367	SURYA VAMSI THATI	Dr.PV. SANJEEVA KUMAR	fabrication and characterization of Hybrid polymer Composites Reinforced with Flax and palm fibers
	18701A0378	ZABIULLA SHAIK		
	18701A0374	VENUGOPAL KURUBA		
	17701A0351	GORLA SAI SREE HARSHA		

HOD ,
Dept of Mechanical Enginering.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET
(AUTONOMOUS)
Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of project titles for the academic project work(2021-2022) during Fourth year.

Section: C **Batch: 2018-2022**

Batch	H.T.No	Name of the student	Guide Name	Title of the project
C1	19705A0314	KADAPALLI JITHENDRA	Mr B. SANTHOSH KUMAR	Mechanical characterization of Bi Directional woven Glass fibre reinforced Polymer composite
	19705A0340	S.SHANMUKHA PRASAD		
	19705A0337	M.SALAUDDIN		
	19705A0333	U. RAJENDRA		
C2	19705A0345	ERAGAMREDDY SUDHAKAR REDDY	Ms N.DEEPTHI	Design and fabrication of Highway Wind Turbine
	19705A0336	AKEPATI SAICHANDU REDDY		
	19705A0346	MADDELA UDAYKUMAR		
	19705A0330	KOTA PRASHANTH		
	19705A0343	CHEPPALI SRINIVASULU		
C3	19705A0302	BEENATHI ASHOK KUMAR	Mr D. VISHNU VARDHAN REDDY	An investigation on corrosion behaviourof Aluminium hybrid Metal Matrix composite
	19705A0303	VADDI BALA KRISHNA		
	19705A0353	DANDUBOINA VISHNU VARDHAN		
	19705A0315	SHAIK KALAAM BASHA		
C4	19705A0324	BHUMIREDDY KRISTAMMAGARI NANDA HARI F	Mr C. RAMANJANEYULU	Enhancing Heat Transfer Performance of a Heat Excahnger by coating silver Nano particles
	19705A0308	YARRAMREDDY HARI KESAVA REDDY		
	19705A0338	DUDDALA SANJEEVA REDDY		
	19705A0313	BHAVIRISETTY JAYAKRISHNA		
C5	19705A0326	NALLAGATLA NIRANJAN REDDY	Mr G.SURESH BABU	Expermental Investigation o mechanical properties of crogenic treated Magnesium Metal matrix composites
	19705A0352	SINGAM VINAY KUMAR REDDY		
	19705A0348	DODDOJU VEERA NAGA CHAITHANYACHARI		
	19705A0335	MUDIMELA REDDY BABU		
C6	19705A0350	GAJULA VENKATA SURYA NARAYANA	Mr S. RAMESH BABU	Production and quality control on Iron Foundry
	19705A0312	SEETHAGARI JAYA KRISHNA		
	19705A0347	PAGIDALA UMA MAHESWAR REDDY		
	19705A0334	PULA RANI		
C7	19705A0307	PASALA GOVARDAN	Ms N GLORY UJWALA	Experimental Investigation and optimization of Drilling process parameters on Conventional Drilling machine for Aluminium alloy(5052) materials by using Fuzzy and Taguchi method
	19705A0309	PIDIGUNDLA HARI PRASAD YADAV		
	19705A0328	KALLURI NOOR		
	19705A0331	GADDA PRAVEEN KUMAR		
C8	19705A0310	P. HARINATH REDDY	Ms N KEERTHI	Machining of Brass & Analyzing the machining characterstics by Fuzzy and Taguchi
	19705A0318	U. LOKESWARA REDDY		
	19705A0317	D. KODANDA RAMI REDDY		
	19705A0319	B. MAHESH		
C9	19705A0322	SHAIK MOHAMMAD FAROOQ	Mr R.V.N.R. SURYA PRAKASH	Experimental Investigation and optimization of Graphite Material through Taguchi Method in CNC Drilling
	19705A0301	SHAIK ARSHAD		
	19705A0342	TENALI SRIDHAR		
	19705a0321	ANKIREDDY MAHESHWARA REDDY		
C10	19705A0351	MADAKA VIJAY KUMAR	MrESWAR BALACHANDAR	Fabrication of 360° wheel Rotation vehicle with Bluetooth sensing
	19705A0354	ADENA KATAMAIAHGARI YUGANDHAR REDDY		
	19705A0332	BUCHUPALLI PRAVEEN KUMAR REDDY		
	19705A0329	LAKKIREDDY PARTHA SARADHI REDDY		
C11	19705A0320	MASINENI MAHESH NAIDU	Mr M. MARUTHI PRASAD	Fabrication of solar powered Sand Sieve
	19705A0304	GUDURU CHARAN KUMAR		
	19705A0349	BANTROTHU VENKATA SIVA TEJA		
	19705A0306	POTHA DINESH		
C12	19705A0323	SHAIK MUNWAR BASHA	Dr. B VENKATESH	Effective parameter for over all haet transfer coefficient for counter flow- double pipe heat exchanger by using Hybrid Optimization
	19705A0311	KONDAMARRI HEMANTH REDDY		
	19705A0327	RAJOLI NIRANJAN REDDY		
	19705A0316	INDLAKISHOREKUMARREDDY		
C13	19705A0339	DEVIREDDY SARATH CHANDRA REDDY	Mr V. VENKATESH	Development of Manual Electro magnetic Braking system
	19705A0341	YEDUGURI SIVA MALLESWAR REDDY		
	19705A0344	GUJJALA SUBHASH KUMAR REDDY		
	19705A0325	YADAVA NAVEEN KUMAR		

HOD ,
Dept of Mechanical Enginering.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

Batch	H.T.No	Name of the student	Title of the project
1	18701A0347	PRATHYUSHA IMMARAJU	Investigation of corrosion behaviour of Mg-Sn alloy by stir casting for bio medical applications
	18701A0316	HARISH REDDY CHAPPIDI	
	18701A0323	KARTHIK GUNIPATI	
	18701A0321	JAYA MALLIKARJUNA REDDY THARIGOPULA	
2	18701A0305	BALAKRISHNA SURIMISETTY	Optimization of Process Parameters of Aluminum Metal Matrix
	18701A0308	CHAITHANYA SURYA KUMAR CHANDRAGIRI	
	18701A0315	HARI KATTIRAGANDLA	
	18701A0312	FAREED HUSSAIN SYED	
3	18701A0324	KAVITHA DHANI	Mechanical behaviour of al 7075 by reinforcing the Tio2& BN
	18701A0310	DHANUNJAYA REDDY KANDULA	
	18701A0327	LOKANATH REDDY ANNEM	
	18701A0320	JASWANTH NAIDU POTTHURU	
4	18701A0303	ARUN KUMAR REDDY CHIYYETI	Performance test on four stroke diesel engine using biodiesel produced from waste plastic oil
	18701A0333	MANIKANTA SINGAVARAM	
	18701A0314	GOVARDHAN MALAKAPURAM	
	18701A0325	KRISHNA VARDHAN REDDY CHALLA	
	16709A0302	GANDLAPARTHI BAVESH TARUN REDDY	
5	18701A0302	ACHYUTH SAI KUMAR VISWABRAHMANA	investigation of mechanical properties of Mg-Ca composites
	18709A0301	CHADRASEKHAR KAMBAIAHGARI	
	18701A0304	ASHOK REDDY BOBBITI	
	18701A0334	MANJUNATHA REDDY UPPALAPATI	
6	18701A0326	LEVANYA KUMAR PANDIGUNTA	Corrosion Resistance on PEO coating of MgCa composition

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

Batch	H.T.No	Name of the student	Title of the project
	18701A0337	MUKESH BOYA	
	18701A0328	MADHU CHAPALA	
	19700A0301	KARAKAMUKKALA SAI BARA GANESH	
7	18701A0301	ABDUL MUKEETH SHAIK	Reverse gear in two wheeler for handicapped
	18701A0336	MOHAMMAD ALI SHAIK	
	18701A0329	MADHU SUDHAN G	
	18701A0331	MAHAMMAD SAMIULLAH SHAIK	
8	18701A0318	JABEER BASHA SHAIK	Optimization of effectiveness and thermal resistance of counter flow double pipe heat exchanger by using gray relational analysis and neural network model
	18701A0335	MANOHAR REDDY P	
	18701A0309	CHARAN KUMAR REDDY BOBBALA	
	18701A0322	JAYA RAMI REDDY KAVALAKUNTLA	
9	18701A0317	HEMASUNDHAR MANDLI	Optimization of process parameters in wire edm for stainless steel -304 by using grey relational analysis
	18701A0319	JAIPALREDDY ALAMKONDA	
	18701A0313	GIRIKUMAR REDDY NERUSUPALLI	
	18701A0306	BHANU CHAITHANYA REDDY MUMMADI	
10	18701A0339	NARENDRA BABU PEDDATHIMMAYYA GARI	Effect of Heat treatment on mechanical properties of magnesium metal matrix composites
	18701A0350	RAMESH BABU CHANNIPOGULA	
	18701A0357	SANTHOSH KUMAR REDDY NALLAMASULA	
11	18701A0361	SIVA KUMAR POLINA	Design and Fabrication of Pneumatic sheet metal cutting machine
	18701A0358	SASIDHAR VARMA CHAMARTHI	
	18701A0344	PAVANKUMARACHARI RAVURU	
	18701A0362	SREEKANTH N	

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Batch	H.T.No	Name of the student	Title of the project
	18701A0348	PRUDHVI KUMAR REDDY NALAPAREDDY	
12	18701A0373	VENKATESH SOOLAM	Wear behaviour of Aluminium Hybrid MMCs(AL7075/TiO2/WC)
	18701A0359	SHAKEER HUSSAIN MULLA	
	18701A0368	THARUN KUMAR REDDY GUDIPATI	
	18701A0351	RAVI ATLURU	
13	18701A0372	VENKATA VISHNUVARDHAN REDDY AVULA	Development of the hybrid composites of Al7075 by reinforcing the TiO2 and WC
	18701A0353	RITHWIK KUMAR REDDY VUNDELA	
	18701A0375	VINODKUMAR REDDY SANEPALLI	
	18701A0355	SAI KUMAR DASARI	
14	18701A0363	SREEKAR REDDY ABBASANI	Corrosion studies of Duplex Coating on Magnesium alloy for orthopedic applications
	18701A0364	SRINIVASA KALYAN ANKULAGARI	
	18701A0370	VENKATA KRISHNA REDDY GANGI REDDY	
	18701A0349	RAJESH KUMAR REDDY VENNAPUSA	
	18701A0354	SAI DEEKSHITH REDDY CHAMALA	
15	18701A0377	YASHWANTH PATHIPATI	Study and Kinematic design of vCNC based multi purpose machine tool
	18701A0352	RAVITEJA REDDY MADDIREDDYGARI	
	18701A0369	VAMSIKUMAR REDDY KATHI	
	18701A0356	SAIVARUN GANNE	
16	18701A0371	VENKATA SURESH PALETI	Experimental investigation and optimization of CNC milling parameters on Al6063 through Taguchi method
	18701A0346	PRASANTH THALUPULA	
	18701A0360	SHARAN KRISHNA GUNIPINENI	
	18701A0342	NIKHIL YERRAGOLLA	

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Batch	H.T.No	Name of the student	Title of the project
	18701A0341	NAVEEN KUMAR CHERI	
17	18701A0365	SUDHAKAR REDDY RAGIPINDI	Investigation on mechanical properties of magnesium metal matrix composite with cryogenic treatment
	18701A0343	NIRANJAN KUMAR REDDY JEEREDDY	
	18701A0376	VISHNU VARDHAN REDDY YALLAREDDYGARI	
	18701A0340	NARENDRA REDDY MANAMASU	
18	18701A0367	SURYA VAMSI THATI	fabrication and characterization of Hybrid polymer Composites Reinforced with Flax and palm fibers
	18701A0378	ZABIULLA SHAIK	
	18701A0374	VENUGOPAL KURUBA	
	17701A0351	GORLA SAI SREE HARSHA	
19	19705A0314	KADAPALLI JITHENDRA	Mechanical characterization of Bi Directional woven Glass fibre reinforced Polymer composite
	19705A0340	S.SHANMUKHA PRASAD	
	19705A0337	M.SALAUDDIN	
	19705A0333	U. RAJENDRA	
20	19705A0345	ERAGAMREDDY SUDHAKAR REDDY	Design and fabrication of Highway Wind Turbine
	19705A0336	AKEPATI SAICHANDU REDDY	
	19705A0346	MADDELA UDAYKUMAR	
	19705A0330	KOTA PRASHANTH	
	19705A0343	CHEPPALI SRINIVASULU	
21	19705A0302	BEENATHI ASHOK KUMAR	An investigation on corrosion behaviourof Aluminium hybrid Metal Matrix composite
	19705A0303	VADDI BALA KRISHNA	
	19705A0353	DANDUBOINA VISHNU VARDHAN	
	19705A0315	SHAIK KALAAM BASHA	
22	19705A0324	BHUMIREDDY KRISTAMMAGARI NANDA HARI REDDY	Enhancing Heat Transfer Performance of a Heat Excahnger by coating silver Nano particles
	19705A0308	YARRAMREDDY HARI KESAVA REDDY	
	19705A0338	DUDDALA SANJEEVA REDDY	

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Batch	H.T.No	Name of the student	Title of the project
	19705A0313	BHAVIRISETTY JAYAKRISHNA	
23	19705A0326	NALLAGATLA NIRANJAN REDDY	Expermental Investigation o mechanical properties of crogenic treated Magnesium Metal matrix composites
	19705A0352	SINGAM VINAY KUMAR REDDY	
	19705A0348	DODDOJU VEERA NAGA CHAITHANYACHARI	
	19705A0335	MUDIMELA REDDY BABU	
24	19705A0350	GAJULA VENKATA SURYA NARAYANA	Production and quality control on Iron Foundry
	19705A0312	SEETHAGARI JAYA KRISHNA	
	19705A0347	PAGIDALA UMA MAHESWAR REDDY	
	19705A0334	PULA RANI	
25	19705A0307	PASALA GOVARDAN	Experimental Investigation and optimization of Drilling process parameters on Conventional Drilling machine for Aluminium alloy(5052) materials by using Fuzzy and Taguchi method
	19705A0309	PIDIGUNDLA HARI PRASAD YADAV	
	19705A0328	KALLURI NOOR	
	19705A0331	GADDA PRAVEEN KUMAR	
26	19705A0310	P. HARINATH REDDY	Machining of Brass & Analyzing the machining characterstics by Fuzzy and Taguchi
	19705A0318	U. LOKESWARA REDDY	
	19705A0317	D. KODANDA RAMI REDDY	
	19705A0319	B. MAHESH	
27	19705A0322	SHAIK MOHAMMAD FAROOQ	Experimental Investigation and optimization of Graphite Material through Taguchi Method in CNC Drilling
	19705A0301	SHAIK ARSHAD	
	19705A0342	TENALI SRIDHAR	
	19705a0321	ANKIREDDY MAHESHWARA REDDY	
28	19705A0351	MADAKA VIJAY KUMAR	Fabrication of 360° wheel Rotation vehicle with Bluetooth sensing
	19705A0354	ADENA KATAMAIAHGARI YUGANDHAR REDDY	
	19705A0332	BUCHUPALLI PRAVEEN KUMAR REDDY	

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Batch	H.T.No	Name of the student	Title of the project
	19705A0329	LAKKIREDDY PARTHA SARADHI REDDY	
29	19705A0320	MASINENI MAHESH NAIDU	Fabrication of solar powered Sand Sieve
	19705A0304	GUDURU CHARAN KUMAR	
	19705A0349	BANTROTHU VENKATA SIVA TEJA	
	19705A0306	POTHA DINESH	
30	19705A0323	SHAIK MUNWAR BASHA	Effective parameter for over all haet transfer coefficient for counter flow-double pipe heat exchanger by using Hybrid Optimization
	19705A0311	KONDAMARRI HEMANTH REDDY	
	19705A0327	RAJOLI NIRANJAN REDDY	
	19705A0316	INDLAKISHOREKUMARREDDY	
31	19705A0339	DEVIREDDY SARATH CHANDRA REDDY	Development of Manual Electro magnetic Braking system
	19705A0341	YEDUGURI SIVA MALLESWAR REDDY	
	19705A0344	GUJJALA SUBHASH KUMAR REDDY	
	19705A0325	YADAVA NAVEEN KUMAR	

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
1	18701A0510	BHARGAVI MACHANURU	CSE	IV	Decision Tree Based Chatbot for healthcare System
	18701A0520	DILIP ATTE	CSE	IV	
	18701A0518	DEEPTHI SURUVU	CSE	IV	
	18701A0532	HARSHAVARDHAN CHELAMPALEM	CSE	IV	
	18701A0516	CHINNA VENKATESH PAGIDIKALVA	CSE	IV	
2	18701A0503	ANJALI CHAPPIDI	CSE	IV	Image Caption generator with CNN and LSTM
	18701A0533	HARSHAVARDHAN JERIPITI	CSE	IV	
	18701A0529	HARI PRASAD DANDU	CSE	IV	
	18701A0505	APARNA KANDULA	CSE	IV	
	18701A0540	JHANSI CHALLA	CSE	IV	
3	18701A0538	JAHNAVI SAPPARAM	CSE	IV	Intelligent Cloud Based Load Balancing System Empowered with Manfis
	18701A0522	DINESH KUMAR REVURI	CSE	IV	
	18701A0512	BINDHU REDDY VARIMADUGU	CSE	IV	
	18701A0540	JHANSI CHALLA	CSE	IV	
4	18701A0551	LAVANYA UPPARI	CSE	IV	Automatic Number Plate Recognition using Open CV and Tessaract
	18701A0507	AVINASH SANKINENI	CSE	IV	
	18701A0514	CHAKRAVARTHI GOUD MALISETTI	CSE	IV	
	18701A0517	DEEPA KAVETI	CSE	IV	
	18701A0553	MADHAVA KALIKAYA	CSE	IV	
5	18701A0543	KALANJALI GOBBILLA	CSE	IV	Detecting and Characterizing Extremist Reviewer groups in Online Product Reviews
	18701A0513	BINDUKALA CHINNA HANUMANTHAIAHGARI	CSE	IV	
	18701A0541	JUVAIRIYA KHAZI	CSE	IV	
	18701A0516	CHINNA VENKATESH PAGIDIKALVA	CSE	IV	
	18701A0548	KRISHNA VANDANA NAGINENI	CSE	IV	
6	18701A0539	JANANI MUPPALA	CSE	IV	Dynamic Churn Prediction using Machine Learning Algorithms
	18701A0537	JAGAN MOHAN PUJARI	CSE	IV	
	18701A0545	KONDA REDDY IMMAREDDY	CSE	IV	
	18701A0548	KRISHNA VANDANA NAGINENI	CSE	IV	
	18701A0552	LIKITHA G S	CSE	IV	
7	18701A0552	LIKITHA G S	CSE	IV	Parkinson Disease Prediction Using CNN- VGGNet Models
	18701A0554	MADHAVI MANDEM	CSE	IV	
	18701A05D4	SUBHASHINI RANI PEDDAREDDYVARI	CSE	IV	
	18701A0536	HEMANTH KUMAR KAMMINENI	CSE	IV	
8	18701A0524	GANENDRA ORUSU	CSE	IV	Deep Learning Based Approach for Driver Drowsiness Detection
	18701A0555	MAHABOOB BASHA SHAIK KALLU	CSE	IV	
	18701A0505	APARNA KANDULA	CSE	IV	
	18701A0519	DHANUSH KUMAR BANDARU	CSE	IV	
9	18701A0527	GURU KAVYA SREE PANDETI	CSE	IV	Density Based Traffic Control

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
	18701A0542	JYOTHSNA PASSAVULA	CSE	IV	System For Congregating Traffic Information Using Canny Edge Dectection Algorithm For Smart City
	18701A0526	GANGA PRASAD SINGAPU	CSE	IV	
	18701A0556	MAHESH GUDISE	CSE	IV	
10	18701A0506	ASHA LATHA VADDI	CSE	IV	A Comparision of Deep Learning and Classical Machine Learning Algorithms For Image Based Plant Disease Detection
	18701A0516	CHINNA VENKATESH PAGIDIKALVA	CSE	IV	
	18701A0535	HARSHAVARDHAN REDDY SREEYAPUREDDY	CSE	IV	
	18701A0553	MADHAVA KALIKAYA	CSE	IV	
11	18701A0502	ANIL KUAMR REDDY VEERAPURAM	CSE	IV	House price Prediction using Machine Learning Techniques
	18701A0521	DINAKAR REDDY Y	CSE	IV	
	18701A0558	MAHESWARA REPANA	CSE	IV	
	18701A0557	MAHESWARA REDDY MAYALURI	CSE	IV	
12	18701A0504	ANUSHA URIMILLA	CSE	IV	A Novel Detection Of Fraudsin Credit Card Financial Data Using Machine Learning
	18701A0547	KRISHNA SUBHASH CHENNAKESAVULA S V	CSE	IV	
	18701A0501	ADARSH SINGAMANENI	CSE	IV	
	18701A0550	LAKSHMIPRASANNA PILLILLA	CSE	IV	
13	18701A0511	BHAVYA GARIKAPATI	CSE	IV	Dual Access Control For Cloud Based Data Storage and Sharing
	18701A0549	KUSUMA PUSALA	CSE	IV	
	18701A0525	GANESH DERANGULA	CSE	IV	
	18701A0523	DINESH MASULU	CSE	IV	
14	18701A0595	PRIYANKA KAKI	CSE	IV	COVID-XR: A Web Management Platform for CoronaVirus Detection on X-Ray Chest Images
	18701A0564	MEGHANA ULLEGADDA	CSE	IV	
	18701A05A0	RAJU NUNE	CSE	IV	
	18701A0566	MISBA FATHIMA DHARMAVARAM SHAIK	CSE	IV	
15	18701A0567	MOHAMMAD AARIF BAIG MOGAL	CSE	IV	A Novel Filtering Approach For Removing Noise from Under water Image
	18701A05A9	SAI LIKITHA SOMESULABAKKAIAHGARI	CSE	IV	
	18701A0566	MISBA FATHIMA DHARMAVARAM SHAIK	CSE	IV	
	17701A05A8	SAI HARSHITH RAVELLA	CSE	IV	
16	18701A0584	NIKHILA BODAYYAGARI	CSE	IV	IOT Based Organic Forming by using Aquaponics Method
	18701A0589	PRASANNA UPPU	CSE	IV	
	18701A0579	NAVEEN KUMAR REDDY THUNGA	CSE	IV	
17	18701A0592	PRAVALIKA K	CSE	IV	An enhanced Artificial Bee Colony Algorithm for Load Balancing in Cloud Computing
	18701A0568	MOHAMMAD ABUBAKAR SHAIK	CSE	IV	
	18701A0586	NOUZIA SODANAPALLI	CSE	IV	
	18701A0598	RAGHU MARIYAN	CSE	IV	
18	18701A05A2	RAMESH KUMAR REDDY VANGALA	CSE	IV	IOT Based Air Quality Monitoring

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
	18701A05A1	RAM MOHAN SIMHAM	CSE	IV	System with Server Notification
	18701A0593	PRAVEEN KUMAR REDDY DODLA	CSE	IV	
	18701A0574	NAGA VENKATA THARUN YADAV GOBBILLA	CSE	IV	
19	18701A0562	MANISHA ANALA	CSE	IV	Plant Nutrient Deficiency Detection in leaf using Convolution Neural Network Technique
	18701A0590	PRATHYUSHA NIMMAKAYALA	CSE	IV	
	18701A05B5	SASHI KUMAR RAJU BHUMARAJU	CSE	IV	
	18701A0597	RAGHAVA JALAPARTHI	CSE	IV	
20	18701A0575	NANDINI POLEPALLI	CSE	IV	Agro Farming using Machine Learning
	18701A05B4	SARASWATHI CHALAMALA	CSE	IV	
	18701A05A7	ROHITH MEDA	CSE	IV	
	18701A0596	PRUTHVI KUMAR REDDY BINIGERI	CSE	IV	
21	18701A05A6	RENUKA MAHESWARI GARIKAPATI	CSE	IV	A Cloud Secure Storage Mechanism Based on Data Dispersion and Encrytion
	18701A0599	RAJESH MARRI	CSE	IV	
	18701A05A4	RAVEENA REDDY JETTY	CSE	IV	
	18701A0578	NAVEEN KUMAR RAJU GADHIRAJU	CSE	IV	
22	18701A0573	NAGA LAKSHMI BAIRAGANI	CSE	IV	Design And Evaluation Of a Deep Learning Algorithm For Emotion Recognition
	18701A0572	NAGA GAYATHRI GONGATI	CSE	IV	
	18701A05B0	SAI POOJITHA KALASAMUDRAM	CSE	IV	
	18701A0565	MEHATAJ SHAIK	CSE	IV	
23	18701A05B3	SANTHARAJ GOOLISETTY NAGARAJ GARI	CSE	IV	Artificial Intelligence Based People Detection And Social Distancing Measuring System For COVID-19
	18701A05B1	SAI PRAKASH REDDY BATHINA	CSE	IV	
	18701A0569	MOHAMMAD AFRIDI DEGALA	CSE	IV	
	18701A05B5	SASHI KUMAR RAJU BHUMARAJU	CSE	IV	
24	18701A0594	PRAVEEN REDDY KESHAMREDDY	CSE	IV	An Efficient Secure Electronic Payment System for E-Commerce
	18701A0576	NARAHARI NITHEESH VANKADARI	CSE	IV	
	18701A0560	MANASA JAGADABI	CSE	IV	
	19709A0505	APARNA KANDULA	CSE	IV	
25	18701A0561	MANI KUMAR SIRIMALA	CSE	IV	Gas Level Detection And Automatic Booking System Using IOT
	18701A0577	NAVEEN KUMAR JINKA	CSE	IV	
	19709A0504	ANUSHA URIMILLA	CSE	IV	
	18701A0580	NAVEEN KUMMARI	CSE	IV	
26	18701A0588	PAVAN KUMAR KONDETI	CSE	IV	An Intelligent Approach For Theft Detection System In Vehicles with the IOT
	18701A0583	NEHA POCHIMIREDDY	CSE	IV	
	18701A0559	MANASA BHUSAMUDRAM	CSE	IV	
	18701A05A3	RAMU PUTHA	CSE	IV	
27	18701A0587	PADMAJA MANDALA	CSE	IV	An Intelligent Approach For Theft Detection System In Vehicles with the IOT
	18701A0591	PRATHYUSHA SALIGARI	CSE	IV	
	18701A0563	MANMADHA REDDY OBILI GOVINDUGARI	CSE	IV	

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
	18701A0585	NOOR MAHAMMAD SHAIK AMMAYYAGARI	CSE	IV	
28	18701A05B2	SAI VANDANA THARIGOPULA	CSE	IV	Weather Prediction using Deep Learning Algorithms
	18701A0581	NAVEENA YENUGU AKKAMMAGARI	CSE	IV	
	18701A0582	NEERAJA KAMINI	CSE	IV	
	18701A0570	MOUNIKA YAMMANURU	CSE	IV	
29	18701A05G8	VINEETH KUMAR KOMMA	CSE	IV	Intelligence Embedded Image Caption Generator Using LSTM Based RNN Model
	18701A05F5	VARSHITHA PORAKALA	CSE	IV	
	18701A05E5	SWATHI GAMPA	CSE	IV	
	18701A05B6	SASIKALA NALAMARU	CSE	IV	
	18701A05G6	VENUGOPAL EDIGA	CSE	IV	
30	18701A05D7	SUJINI VEGI	CSE	IV	Enhancing Data Security in Cloud Using Block Chain
	18701A05C0	SHASHIDHAR JANGAM	CSE	IV	
	18701A05C1	SIVA SANKARA VARA PRASAD EDIYAKULA	CSE	IV	
	18701A05G2	VENKATA PRAVEEN SIDDAVATAM	CSE	IV	
31	18701A05E6	SWATHI MATLI	CSE	IV	Automatic Vacant Parking Places Management System Using Deep Learning
	18701A05C9	SRIGEETHA ANNAGOWNI	CSE	IV	
	18701A05D9	SUMALATHA PICHHALA	CSE	IV	
	18701A05G5	VENKATESH NETHAGANI	CSE	IV	
32	18701A05H0	VISWA TEJA REDDY SYAMAKURU	CSE	IV	Detection of Malicious Domain Using Random Forest and Naïve Baye's Algorithms
	18701A05H2	YASHWANTH SAI ANCHANTA	CSE	IV	
	18701A05F0	UMESHKUMAR GOLLA	CSE	IV	
	18701A05D0	SRIKANTH MANAVASANI	CSE	IV	
33	18701A05D4	SUBHASHINI RANI PEDDAREDDYVARI	CSE	IV	Machine learning Techniques for Stress Prediction in Working Employees
	18701A05F4	VARA LAKSHMI MUKKOTI	CSE	IV	
	18701A05D6	SUCHARITHA ELISETTY	CSE	IV	
34	18701A05F1	VAISHNAVI YEKKALURI	CSE	IV	InfraRed Image Pedestrain Detection YOLO-V3
	18701A05C7	SRAVANI VALLEPU	CSE	IV	
	18701A05G7	VIKAS BABU GUNDLURU	CSE	IV	
	18701A05H3	YASWANTH REDDY PUTLURU	CSE	IV	
35	18701A05F3	VANDANA GELAGANI	CSE	IV	Detecting Cyberbullying Across Social Media using ensemble Deep Learning Algorithm
	18701A05E2	SUPRAJA BHEEMANNAGARI	CSE	IV	
	18701A05E8	TAHIRUDDIN SYED	CSE	IV	
	18701A05G4	VENKATA VAMSIDHAR REDDY BHUMIREDDY	CSE	IV	
36	18701A05C6	SRAVAN KUMAR REDDY VANIPENTA	CSE	IV	A Novel Machine Learning Based Screening Method For High Risk COVID- 19 Patients Based on Simple Blood exams
	18701A05E0	SUNEEL KUMAR CHAPPIDI	CSE	IV	
	18701A05F8	VEERA MAHESH NAGALADINNA BESTHA	CSE	IV	
	18701A05G1	VENKATA NAVEEN REDDY YAPARLA	CSE	IV	

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
37	18701A05C5	SRAVALIKA NARREDDI	CSE	IV	Traffic prediction For Intelligent Transportation syatem Using Machine Learning
	18701A05C4	SPOORTHI SANGARAJU	CSE	IV	
	18701A05H1	YASHASWINI KATARU	CSE	IV	
	18701A05D2	SRIVALLI GOBELLA	CSE	IV	
38	18701A05D8	SUKESH KUMAR REDDY POLIREDDY	CSE	IV	Fake Reviews Detection Using supervised Machine Learning
	18701A05G3	VENKATA SUNANDA KUPPAM	CSE	IV	
	18701A05C8	SREELAKSHMI TANGALA	CSE	IV	
	18701A05F9	THANUSHA MODEM	CSE	IV	
39	18701A05B8	SATYA NARAYANA REDDY NUSI	CSE	IV	A Novel Technique for cerebro Vascular Accident using CatBoost Algorithm
	18701A0560	MANASA JAGADABI	CSE	IV	
	18701A05D8	SUKESH KUMAR REDDY POLIREDDY	CSE	IV	
	18701A05G1	VENKATA NAVEEN REDDY YAPARLA	CSE	IV	
40	18701A05C3	SOWMYA GANGARAPU	CSE	IV	Loan Default Forecasting Using Machine learning
	18701A05F2	VAMSI KUMAR TALLAPANENI	CSE	IV	
	18701A05F7	VEERA CHARAN NARAPURAM	CSE	IV	
	18701A05E9	THANUSHA MODEM	CSE	IV	
41	18709A0532	PAVAN KUMAR KUPPALA	CSE	IV	DSNet: Joint Semantic Learning For Object Detection in Inclement weather Conditions
	18709A0510	DEEPA BALA RAJU	CSE	IV	
	18709A0537	SAGAR MASANI	CSE	IV	
	19700A0501	NAVEENKUMAR REDDY THUNGA	CSE	IV	
	17709A0547	GANESH REDDY POREDDI	CSE	IV	
42	18709A0553	SUSMITHA PATTIPATI	CSE	IV	Sentiment and Emotion Classification using Deep Learning Based BERT Technique
	18709A0554	SWETHA VALLURU	CSE	IV	
	18709A0556	UDAYA SIDDI	CSE	IV	
	18709A0502	ANUSHA KANUGONDLA	CSE	IV	
43	18709A0523	KEERTHI REDDIGARI	CSE	IV	A LightWeight Policy Update Scheme for OutSourced personal Health Records Sharing
	18709A0525	LAKSHMI NARESH CHANDRA BHEEMUPATI	CSE	IV	
	18709A0517	ISWARYA THAMMINENI	CSE	IV	
	18709A0504	BHARATH KUMAR RAJU SANGARAJU	CSE	IV	
44	18709A0522	KEERTHESWARI KORA	CSE	IV	Classification Of Poetry Text into the Emotional States using Deep Learning Techniques
	18709A0541	SAI CHARITHA ADURU	CSE	IV	
	18709A0559	VISHNU VARDHAN REDDY BYREDDY	CSE	IV	
	18709A0527	MAHABOOB BASHA POGABUDDI	CSE	IV	
45	18709A0512,	GANESH REDDY POREDDI	CSE	IV	HandWritten Character Recognition using Deep Learning
	18709A0548	SIVA JYOTHI VENNAPUSA	CSE	IV	
	18709A0551	SUSHANTH KUMAR RAJU SURAPARAJU	CSE	IV	
	18709A0535	PRANATHI A	CSE	IV	
46	18709A0560	VYSHNAVI GANGARAM	CSE	IV	Comparision analysis of Various machine Learning Classifiers in
	18709A0514	GOVARDHAN REDDY MUNAGALA	CSE	IV	

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
	18709A0516	HEMALATHA YENUGUROSIREDDYGARI	CSE	IV	Classifying the DNA Sequences
	18709A0529	NAVEENA THIRUMALASETTY	CSE	IV	
	18709A0539	SAHADEVA RAJU ADDEPALLI	CSE	IV	
47	18709A0552	SUSHMA KONATHALA	CSE	IV	Prediction of Traffic Congestion using Swarm Based Long Short Term Memory
	18701A05F3	VANDANA GELAGANI	CSE	IV	
	18709A0505	BHARATH REDDY YEDDULA	CSE	IV	
	18709A0555	TEJASWARI BELLALA	CSE	IV	
	18709A0503	BABU REDDY POREDDY	CSE	IV	
48	18709A0519	JAYASREE S	CSE	IV	
	18709A0540	SAI BABA REDDY KALLURU	CSE	IV	Classification of Stoke Disease using Machine Learning Algorithms
	18709A0533	PAVITHRA KATAM	CSE	IV	
	18709A0524	KISHORE RAJU UMMALARAJU	CSE	IV	
49	18709A0520	JYOTHIRMAYI SIDDAREDDYGARI	CSE	IV	IOT Based fault Detection of Underground Cables through Node MCU Module
	18709A0515	HARITHA MILA PALLI	CSE	IV	
	18709A0518	JAYANTH TELLAPATI	CSE	IV	
	18709A0508	CHAKRADHAR REDDY TUPAKULA	CSE	IV	
50	18709A0513	GEETHIKA GEVINI	CSE	IV	Detecting the Security level of Various Cryptosystems using machine Learning Models
	18709A0506	BHARGAV RAJ JINKA	CSE	IV	
	18709A0547	SINDHU MADDINA	CSE	IV	
	18709A0550	SRIKANTH REDDY MADDURI	CSE	IV	
51	18709A0530	NIKHIL MADDINA	CSE	IV	Traffic Sign Classification Based on Federated Deep learning Model
	18709A0545	SATHISHKUMAR REDDY TADIPATHRI	CSE	IV	
	18709A0521	KANCHANA KATARI	CSE	IV	
	18709A0536	RAVALI MUKKA	CSE	IV	
52	18709A0526	LAVANYA TIMMAREDDY	CSE	IV	IP Traffic Classification of 4G Network Using Machine Learning Techniques
	18709A0546	SHAMITHA BAGGIDI	CSE	IV	
	18709A0534	PHANEESWAR SRIRAM	CSE	IV	
	18709A0509	CHANDU NASIMSETTY	CSE	IV	
53	18709A0543	SAILEELA SAMANURU	CSE	IV	Secure Data sharing in Cloud Computing Using BlowFish Algorithm
	18709A0511	DIVYA KEERTHI CHINTHA	CSE	IV	
	18709A0557	VENKATA SUBBAIAH CHARANTHU	CSE	IV	
	18709A0514	GOVARDHAN REDDY MUNAGALA	CSE	IV	
54	18709A0542	SAI LAKSHMI GOURA	CSE	IV	A Machine Learning Methodology for Diagnosing Chronic Kidney Disease
	18709A0544	SANDHYA DANDE	CSE	IV	
	18709A0558	VIDHUN KUMAR TALARI	CSE	IV	
	18709A0507	BRAHMAIAH YERRIKONDU	CSE	IV	
	18709A0504	BHARATH KUMAR RAJU SANGARAJU	CSE	IV	IRIS Based Human Eye Identity Recognition with Deep Learning Method
55	18709A0531	NISHITHA POLI	CSE	IV	
	18709A0501	ANISA FATHIMA SHAIK	CSE	IV	
	18709A0538	SAGAR REDDY BODIMANI	CSE	IV	

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B.NO	HT.NO	NAME OF THE CANDIDATE	DEPT	YEAR	TITLE OF THE PROJECT
	17709A0515	VENKATESH NETHAGANI	CSE	IV	
56	19705A0508	LAVANYA TIMMAREDDY	CSE	IV	Detecting Fake Accounts and socila Media
	18709A0547	SINDHU MADDINA	CSE	IV	
	19705A05C2	VEERA MAHESH NAGALADINNA BESTHA	CSE	IV	
	19705A05E3	APARNA KANDULA	CSE	IV	
	19705A05F1	NEERAJA KAMINI	CSE	IV	

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LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2021-22		
H.T.NO.	**Name of the Student**	**Project Title**
20701E0001	ARUNA PRIYA BHAVANASI	A STUDY ON FINANCIAL STATEMENT ANALYSIS AT AMAR RAJA BATTERIES TIRUPATI
20701E0002	BABY CHANDANA VANGALA	A STUDY ON CAPITAL BUDGETING IN APMDC LTD MANGAAMPETA
20701E0003	BHAYANNA MUCHUKOTA	A STUDY ON CAPITAL STRUCTURE IN BHARATHI CEMENT CORPORATION LTD
20701E0005	GNANESWARI GADIRAJU	A STUDY ON WORKING CAPITAL MANAAGEMENT IN CYBER AUTO PARTS LIMITED AT TIRUPATI
20701E0006	HARSHAVARDHAN THUMMALA	A STUDY ON FUNDS FLOW STSTEMENT IN COCA-COLA BEVARAGES LIMITED
20701E0007	JANARDHANA BUDDA	A STUDY ON CAPITAL BUDGETING IN HERITAGE FOODS INDIA LIMITED
20701E0008	KALYAN KUMAR GURRAM	A STUDY ON CUSTOMER SATISFACTION IN SRI GAYATHRI ENTERPRISES PRODDUTUR
20701E0010	LAKSHMI PRASANNA MAMUNDURI	A STUDY ON FINANCIAL STATEMENT ANALYSIS WITH REFERENCE TO APMDC LIMITED MANGAMPETA
20701E0011	LAKSHMIDEVI KOTA	A STUDY ON INVENTORY MANAGEMENT WITH REFERENCE TO APMDC LIMITED MANGAMPETA
20701E0012	LAVANYA NAGINENI	A STUDY ON CAPITAL BUDGETING IN DODLA DAIRY LIMITED
20701E0013	LEELA MADHAVI GUDURU	A STUDY ON WORKING CAPITAL MANAGEMENT IN APMDC LIMITED MANGAMPETA
20701E0014	LIKHITHA EDAMAKANTI	A STUDY ON FINANCIAL PERFORMANCE IN HERITAGE FOOD INDIA LIMITED
20701E0016	MAHESH BABU BUPANABOINA	A STUDY ON RATIO ANALYSIS IN DORA PLASTIC PVT LTD
20701E0017	MASTAN BASHA DUDEKULA	A STUDY ON EVALUATION OF FINANCIAL PERFORMANCE HINDUSTAN COCA COLA LTD
20701E0018	MOUNIKA POTHIREDDY	A STUDY ON FUNDS FLOW ANALYSIS IN LINERS INDIA LIMITED VIJAYAWADA
20701E0019	NARAYANA REDDY VADDI REDDY	A STUDY ON INVENTORY MANAGEMENT IN HERITAGE FOODS INDIA LIMITED
20701E0020	NAVEEN YEKKALURU	A STUDY ON RATION ANALYSIS IN HERITAGE FOODS INDIA LIMITED
20701E0021	NEERAJA CHITTE	A STUDY ON FINANCIAL PERFORMACE IN PENNA CEMENTS LIMITED TADIPATRI
20701E0022	PENCHALAIAH GOGADA	A STUDY ON CASH MANAGEMENT IN SRI KALAHASTHI PIPES LIMITED
20701E0023	REDDAIH VANAM	A STUDY ON WORKING CAPITAL MANAGEMENT IN DODLA DAIRY LIMITED
20701E0024	REDDI PAVANI BANDARU	A STUDY ON CAPITAL BUDGETING IN AMARA RAJA BATTERIES LIMITED RENIGUNTA
20701E0025	REDDYSEKHAR TAMMISETTY	A STUDY ON LIQUIDITY AND PROFITABILITY IN DODLA DAIRY LIMITED
20701E0026	RUPAKALA RACHUMALLA	A STUDY ON WORKING CAPITAL MANAGEMENT IN ZUARI CEMENTS LIMITD AT YERRAGUNTLA

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20701E0027	SANDEEP REDDY KARIMIREDDY	A STUDY ON FUNDS FLOW ANALYSIS IN ZUARI CEMENTS LIMITD AT YERRAGUNTLA
20701E0028	SHAHIDA SHAIK	A STUDY ON FIXED ASSETS IN ZUARI CEMENTS LIMITD AT YERRAGUNTLA
20701E0029	SHAMEER BASHA PATAN	A STUDY ON INVENTORY MANAGEMENT IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0030	SILPA CHINTHALAPALLI	A STUDY ON WORKING CAPITAL MANAGEMENT IN AMARA RAJA BATTERIES LTD RENIGUNTA
20701E0031	SIREESHA NALLAGUNDLA	A STUDY ON CAPITAL STRUCTURE IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0032	SIVA KRISHNA BOGA	IMPACT OF MICRO CREDIT ON WOMAN EMPOWERMENT WITH SPECIAL REFERENCE TO APGB BOYANAPALLI
20701E0033	SRAVANI KOVURU	A STUDY ON INVENTORY MANAGEMENT IN AMARA RAJA BATTERIES LTD RENIGUNTA
20701E0034	SRAVANI POTHAPI	A STUDY ON RATIO ANALYSIS IN GRIND WELL PVT LTD
20701E0036	SUJATHA MUKKAMALLA	A STUDY ON CAPITAL STRUCTURE IN ULTRATECH CEMENTS CORPORATION LIMITED TADIPATRI
20701E0037	SUPRAJA RANGALA	A STUDY ON FUNDS FLOW STATEMENT WITH REFERENCE TO ULTRATECH CEMENTS LTD TADIPATRI
20701E0039	VAISHNAVI PAPPIREDDY	A STUDY ON WORKING CAPITAL MANAGEMENT ANANTHA PVC PIPES PVT LTD ANANTHAPURAM
20701E0040	VASUNDHARA KOVURU	A STUDY ON CAPITAL STRUCTURE IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0041	VENKATA SARASWATHI GALI	A STUDY ON FUNDS FLOW ANALYSIS IN LINERS INDIA LIMITED
20701E0042	VIJAYAMMA MADAPURI	A STUDY ON RATIO ANALYSIS IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0043	VISHNU VARDHAN GUNISETTY	A STUDY ON HINDUSTAN COCA COLA BEVERAGES PVT LTD SRIKALAHASTHI

Head of the Department
Master of Business Administration
Annamacharya Institute of Technology
New Boyanapalli, Rajampet - 516 126

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Academic Year 2021-22

II year Semester - II (Project & Comprehensive Viva))			
S. No	**Course Code**	**Course Name**	**Credits**
1	20DF41P	Project work	16
2	20DF42C	Comprehensive Viva-Voce	2
		Total	**18**

A LIST OF PROGRAMMES AND STUDENTS UNDERGONE FIELD PROJECTS

S.No	Register Number	Name of the Students	Title of the Project
1	20701F0001	AJAY PRASAD.R	PREDICTION OF WATER QUALITY USING MACHINE LEARNING ALGORITHM
2	20701F0002	AKHILA.K	A LIGHTWEIGHT SECURE DATA SHARING SCHEME FOR MOBILE CLOUD COMPUTING
3	20701F0003	K.ARAVIND	RESEARCH ON THE KEY TECHNOLOGY OF NETWORK SECURITY BASED ON MACHINE LEARNING
4	20701F0004	K.ARUNA	FINE GRAINED SECURITY IN CLOUD WITH CRYPTOGRAPHIC ACCESS CONTROL
5	20701F0005	B.BHAGYALAKSHMI	DATA INTEGRITY AND RECOVERY MANAGEMENT IN CLOUD SYSTEM
6	20701F0007	BHARATHI.M	OBESITY PREDICTION USING MACHINE LEARNINGTECHNIQUE
7	20701F0009	R. BRAMHANANDA REDDY	IP TRAFFIC CLASSIFICATION OF 4G NETWORK USING MECHINE LEARNING TECHNIQUES
8	20701F0010	C.CHANDANA PRIYA	SECURE OUTSOURCING AND SHARING OF CLOUD DATA USING A USER- SIDE ENCRYPTED FILE SYSTEM
9	20701F0011	A.CHARITH KUMAR	A HYBRID APPROACH TO PREDICT ELECTION CANDIDATE PREDICTION USING VOTER OPINION
10	20701F0012	M.ESWAR PRASAD	A DISTRIBUTED PRIVACY-PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH
11	20701F0013	R.GEETHIKA REDDY	A THREE LAYER PRIVACY PRESERVING CLOUD STORAGE SCHEME BASED ON COMPUTATIONAL INTELLIGENCE IN FOG COMPUTING
12	20701F0014	M.GUNASEKHAR	CREDIT CARD FRAUD DETECTION USING LIGHT GRADIENT BOOSTING ALGORITHM
13	20701F0015	GURU LAKSHMI.K	HYBRID MACHINE LEARNING CLASSIFICATION TECHNIQUE FOR IMPROVE ACCURACY OF HEART DISEASE
14	20701F0016	P. HARIKRISHNA	SMS SPAM DETECTION USING MACHINE LEARNING AND DEEP LEARNING TECHNIQUES
15	20701F0017	HARIKA.K	A CATEGORIZATION OF CLOUD BASED SERVICES AND THEIR SECURITY ANALYSIS IN THE HEALTH CARE SECTOR
16	20701F0018	B. HARIKRISHNA	AUTOMATED SMART ATTENDNCE SYSTEM USING FACE RECONGNITION
17	20701F0019	V.HARITHA	ASPECT BASED SENTIMENT ANALYSIS ON AMAZON EAR PHONE SALES
18	20701F0020	G.HASEENA	FAKE REVIEWS DETECTION USING SUPERVISED MACHINE

			LEARNING
19	20701F0021	Y.JAHNAVI	AUTOMATIC VACANT PARKING PLACES MANAGEMENT USING VEHICLE DETECTION
20	20701F0022	Y.JANARDHANA GOUD	PREDICTION OF AIR QUALITY USING MACHINE LEARNING
21	20701F0023	NAGOOR JASMINE ASHA	FACE RECOGNITION USING COMPUTER VISION AND CNN ALGORITHM
22	20701F0024	C.JASWANTH REDDY	MONITORING DRIVERS DISTRACTION FROM PHYSIOLOGICAL AND VISUAL SIGNALS
23	20701F0025	KALPANA KEERTHI.N	A PARALLELAND FORWARD PRIVATE SEARCHABLE PUBLIC KEY ENCRYPTION FOR CLOUD BASED DATA SHARING
24	20701F0027	N.LAHARI	DEEP LEARNING FOR PLANTS SPECIES CLASSIFICATION
25	20701F0028	B.LAKSHMI PRASANNA	BRAIN DISEASE CLASSIFICATION ALONG WITH AGE ESTIMATION FROM MRI
26	20701F0029	P. LIKHITHA	A COMPARATIVE STUDY ON FAKE JOB POST PREDICTION USING DIFFERENT MACHINE LEARNING ALGORITHM
27	20701F0030	K.LINGAMAIAH	SAFETY HELMET DETECTION IN INDUSTRIAL SITE USING OPENCV
28	20701F0031	P.MABJAN	BLOCK CHAIN BASED COVID VACCINE BOOKING AND VACCINE MANAGEMENT SYSTEM
29	20701F0032	J.MAHESH	ONLINE BED BOOKING FOR QUARANTINE
30	20701F0033	B.MALLIKARJUNA REDDY	IDENTIFICATION Of TRUE AND FALSE NEWS USING NATURAL LANGUAGE
31	20701F0034	B.MANASA	AN INTELLIGENT APPROACH FOR FOOD RECIPE RATING PREDICTION USING MACHINE LEARNING
32	20701F0035	K.MANIKANTA REDDY	TEXT AND IMAGE ENCRYPTION AND DECRYPTION USING AES ALGORITHM
33	20701F0036	S.MOHAMMED ZAKEER	BONE DEFORMITY PREDICTION USING DEEP LEARNING
34	20701F0037	S. MOUNIKA	PHISHING WEBSITE DETECTION USING MACHINE LEARNING
35	20701F0038	L. NAGA CHARAN KUMAR REDDY	DEEP LEARNING BASED SIGN LANGUAGE RECONGNITION SYSTEM
36	20701F0039	C.NAGA NANDINI	SMART TENDER CONTRACT MANAGEMENT SYSTEM USING BLOCK CHAIN
37	20701F0040	P.NAGA NARASIMHUDU	A FINANCIAL DATA SECURITY SHARING SOLUTION BASED ON BLOCK CHAIN TECHNOLOGY AND PROXY RE-ENCRYPTION TECHNOLOGY SYSTEM DESIGN
38	20701F0041	T.NAGARAJU	FACIAL EXPRESSIONS CLASSIFICATION USING WAVELET BASED CNN
39	20701F0042	N.NAGENDRA KUMAR	PREDICTIVE ANALYSIS FOR BIG MART SALES USING MACHINE LEARNING ALGORITHMS
40	20701F0044	B.NANDINI	MACHINE LEARNING BASED FLOOD PREDICTION
41	20701F0045	K. NARASIMHA	ELECTRICITY CONSUMPTION PREDICTION USING MACHINE LEARNING
42	20701F0046	G.NARASIMHA TEJA	AN OPTIMAL APPROACH FOR E-COMMERCE APPLICATION SERVICE ON TO THE PUBLIC CLOUD ENVIRONMENT
43	20701F0047	C.NARASIMHA REDDY	SECURE DATA GROUP SHARING AND DISSEMINATION WITH

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			ATTRIBUTES AND TIME CONDITION IN PUBLIC CLOUD
44	20702F0048	NARASIMHULU.C	IMPROVEMENT IN AUTOMATED DIAGNOSIS OF SOFT TISSUES TUMORS USING MACHINE LEARNING
45	20701F0049	V.NARESH KUMAR	CHRONIC KIDNEY DISEASE PREDICTIOIN BY USING DATA MINING TECHNIQUES
46	20701F0051	V.K.NIHARIKA	DUAL ACCESS FOR CLOUD BASED DATA STORAGE AND SHARING IN AWS
47	20701F0052	E.PADMAAVATHI	STRESS DETECTION BASED ON SOCIAL MEDIA BLOGS
48	20701F0053	U.PAVAN KUMAR	PREDICTION FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNING CLASSIFIERS
49	20701F0054	U.S.PAVITHRA	ACCESS CONTROL ON SYMETRICALLY ENCRYPTED DATA IN UNTRUSTED CLOUDS
50	20701F0055	M.PEDDA YOGEESWARAIAH	ACCURATE NEWSPAPER ARTICLE CLASSIFICATION USING MULTI CLASS SUPPORT VECTOR MACHINE
51	20701F0056	L.PREM KUMAR REDDY	MACHINE LEARNING APPROACHES NEW MOBILE INTERNET CUSTOMERS
52	20701F0057	T.RAJA GOPAL REDDY	VEHICLE LICENSE PLATE DETECTION OPENCV AND TESSERACT OCR
53	20701F0058	P.RAJASHEKHAR REDDY	DETECTITION & CLASSIFICATION OF PNUMONIA IN CHEST X-RAY IMAGES USING DEEP LEARNING TECHNIQUES
54	20701F0059	T.REDDY SWARNA	WEB ACCESSIBILITY OF EDUCATIONAL INFORMATION IN COLLEGE AND PROVIDING COMMUNICATION BETWEEN STUDENTS
55	20701F0060	C.D.RENUKA	CRYPTANALYSIS OF AN ANONYMOUS AND TRACEABLE GROUP DATA SHARING IN CLOUD COMPUTING
56	20701F0061	S.RISHITHA	IDENTIFICATION MALICIOUS DOMAINCAMPAIGN VIA DNS AND COMMUNITING FILES
57	20701F0062	K.SAI SPANDANA	DETECTION OF FAKE ACCOUNT ON SOCIAL MEDIA INSTAGRAM
58	20701F0064	SHAMBHAVANI	A HIGHER LEVEL SECURITY SCHEME FOR KEY ACCESS ON CLOUD COMPUTING
59	20701F0065	C.SHIREESHA	A COMPARATIVE APPROACH PREDICTIVE ANALYTICS WITH MACHINE LEARNING FOR FRAUD DETECTION OF REAL TIME FINANCIAL DATA
60	20701F0066	C.SHIREESHA	REVOCABLE ATTRIBUTE BASED ENCRYPTION WITH DATA INTEGRITY IN CLOUDS
61	20701F0067	S.SIVA GANGA	TRAFFIC PREDICTION FOR INTELLIGENT TRANSPORTATION SYSTEM USING DEEP LEARNING
62	20701F0068	A.SIVA PRASAD	HEALTH CARE ANALYSIS USING MACHINE LEARNING
63	20701F0069	N.SIVA REDDY	EFFECTIVE VEGETABLE PRICE PREDICTION USING MACHINE LEARNING BASED ON LARGE DATASET
64	20701F0070	C.SOWBHAGYAVATHI	ONLINE COURIER SERVICE SYSTEM DEVELOPING
65	20701F0071	M.SRAVANI	HANDWRITTEN CHARACTER RECOGNITION USING DEEP LEARNING
66	20701F0072	P.SRAVANI	MEDICAL REPORT MANAGEMENT AND DISTRIBUTION

			SYSTEM ON BLOCKCHAIN
67	20701F0073	K.SRAVYA	A SECURE DATA DYNAMICS AND PUBLIC AUDITING SCHEME FOR CLOUD STORAGE
68	20701F0074	M.SREELAKSHMI	DETECTING AND CHARACTERIZING EXTREMIST REVIEWER GROUPS IN ONLINE PRODUCT REVIEWS
69	20701F0075	T.SREERAM REDDY	HOUSE PRICE PREDICTION USING ENHANCED MACHINE LEARNING TECHNIQUE
70	20701F0076	C. SUSMITHA	THE PRACTICAL FRAME WORK FOR SECURE DOCUMENT RETRIEVAL IN ENCRYPTED CLOUD FILE SYSTEMS
71	20701F0078	SYED UBEDULLA HUSSAINI	HEALTH CARE CHARBOT SYSTEM
72	20701F0081	B.VANISREE	PLANT DISEASE IDENTIFICATION USING TRANSFER LEARNING
73	20701F0082	L.VENKATA RAMANA REDDY	AGE AND GENDER PREDICTION USING DEEP LEARNING
74	20701F0083	B.VENKATA SESHAGIRI	EXTREME LEARNING MACHINE AND ITS APPLICATIONS
75	20701F0084	C. VENKATESWAR REDDY	HEART DISEASE PREDICTION USING VOTING MODEL IN MACHINE LEARNING ALGORITHM
76	20701F0085	K. YASWANTH	CROP YIELD PREDICTION BASED ON PRODUCTIVITY

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Code	Course Title	C
19DF61S	Seminar	2
19DF62P	Project Thesis / Dissertation	12

S.NO	REGISTER NUMBER	NAME OF THE STUDENT	TITLE OF THE PROJECT
1	19701F001	B.ASWINI	TRACK AND GO
2	19701F0002	B.HAREESH	A LIGHTWEIGHT POLICY UPDATE SCHEME FOR OUTSOURCED PERSONAL HEALTH RECORDS SHARING
3	19701F0003	K. HARISH KUMAR	MULTI CLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION MODEL USING MACHINE LEARNING
4	19701F0004	U LAKSHMI DEVI	ATTRIBUTE BASED CLOUD DATA INTEGRITY FOR SECURED OUTSOURCED STORAGE
5	19701F0005	A. LAKSHMI NARAYANA	AN ENHANCED ENSEMBLE DIAGNOSIS OF CERVIVAL CANCER:A PURSUITE OF MACHINE INTELLIGENCE TOWARDS SUSTAINABLE HEALTH
6	19701F0006	J.MALLESWARI	PERSON DETECTION WITN YOLO
7	19701F0007	T.MALLIKA	DETECTING THE SECURITY LEVEL OF VARIOUS CRYPTOSYSTEM USING MACHINE LEARNING MODELS
8	19701F0008	B MALLIKARJUNA REDDY	CASHLESS SOCIETY MANAGING PRIVACY AND SECURITY IN THE TECHNOLOGICAL AGE
9	19701F0009	B.MAMATHA	A NOVEL MACHINE LEARNING BASED SCREENING METHOD FOR HIGH-RISK COVID-19 PATIENTS BASED ON SIMPLE BLOOD EXAMS
10	19701F0010	N NAGARJUNA REDDY	ADAPTIVE DIFFUSION OF SENSITIVE INFORMATION IN ONLINE SOCIAL NETWORKS
11	19701F0011	S. PRASANTHI	CYBER SECURITY AND ARTIFICIAL INTELLIGENCE FOR CLOUD-BASED INTERNET OF TRANSPORTATION SYSTEMS
12	19701F0013	N.RAMAKRISHNA	DETECTION OF DISTRIBUTED DENIAL OF SERVICE ATTACKS IN SDN USING MACHINE LEARNING TECHNIQUES
13	19701F0014	A REDDY TEJASWINI	SECURE CLOUD STORAGE WITH DATA DYNAMICS USING SECURE NETWORK CODING TECHNIQUES
14	19701F0015	K.ROOPA	FACE ANTISPOOFING USING DEEP LEARNING
15	19701F0016	G. SAILAJA	A RELIABILITY GUARANTEED SOLUTION FOR DATA STORING AND SHARING
16	19701F0017	G. SAI SURESH GOUD	EFFICIENT PREDICTION OF CARDIOVASCULAR DISEASE USING MACHINE LEARNING ALGORITHMS WITH RELIEF AND LASSO FEATURE SELECTION
17	19701F0018	P.SHAHEENA	DYNAMIC CHURN PREDICTION USING MACHINE LEARNING ALGORITHMS -PREDICT YOUR CUSTOMER THROUGH CUSTOMER BEHAVIOUR
18	19701F0019	B. SOWJANYA	DEEP IRIS FEATURE EXTRACTION
19	19701F0020	SREENATH	BLOCK CHAIN TECHNOLOGY IN AGRICULTURE PRODUCT

			SUPPLY CHAIN
20	19701F0021	N. THEJA	CLOUD SECURE STORAGE MECHANISM BASED ON DATA DISOERSION AND ENCRYPTION
21	19701F0022	P.UDAY KIRAN	INFORMATION ON LOGISTICS FOR QUERYING BLOCKCHAIN DATA USING SEARCHABLE ENCRYPTION
22	19701F0023	U. VENKATA NIRANJAN	EFFICIENT REVOCABLE MULTI-AUTHORITY ATTRIBUTE-BASED ENCRYPTION FOR CLOUD STORAGE
23	19701F0024	K VIJAY KUMAR	DETECTION OF MALICIOUS SOCIAL BOTS USING LEARNING AUTOMATA WITH URL FEATURES IN TWITTER NETWORK
24	19701F0025	Y.VISHNU VARDAN REDDY	DESIGN AND IMPLEMENTATION OF SECURE QR PAYMENT SYSTEM BASED ON VISUAL CRYPTOGRAPHY
25	19701F0026	K.VISHNU VARDHAN REDDY	SPEAKER RECOGNITION WITH THE HELP OF NEURAL NETWORKS
26	19701F0027	G. VISHNU KUMAR	OBJECT DETECTION WITH AUDIO FEEDBACK USING YOLO VS YOLO V3
27	19701F0028	CH YASWANTH	ONLINE PRICING WITH RESERVE PRICE CONSTRAINT FOR PERSONAL DATA MARKETS

A Project Report

on

"PARTIAL REPLACEMENT OF CEMENT WITH BARITE POWDER AND DOLOMITE POWDER"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

by

N. SWAROOPA	**18701A0168**
A. NARESH	**19705A0134**
A. VENKATA TARUN	**18701A0172**
A. SARATH PAVAN	**18701A0160**
S. OBUL REDDY	**18701A0144**
G. REDDYSRINIVASULU	**18701A0154**

Under the guidance of

Mr. S. NAZEER AHAMED M.Tech

Assistant professor

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Autonomous)

(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

New Boyanapalli, Rajampet, Kadapa Dist, A.P-516126.

2021-22

CERTIFICATE

This to certify that the project work entitled **"PARTIAL REPLACEMENT OF CEMENT WITH BARITE POWDER AND DOLOMITE POWDER"** is a bonafide project worksubmitted by

N. SWAROOPA	**18701A0168**
A. NARESH	**19705A0134**
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S. OBUL REDDY	**18701A0144**
G. REDDY SRINIVASULU	**18701A0154**

In the department of CIVIL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in "**Civil Engineering**" for the academic year 2021-22. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

PROJECT GUIDE
Mr. S. NAZEER AHAMED
Assistant professor

HEAD OF DEPARTMENT
Dr. T. NARESH KUMAR
Associate Professor & HOD

	Name of the examiner	Signature of theexaminer
1. Internal Examiner		
2. External Examiner		

ABSTRACT

This study represents the behavior of concrete, having partial replacement of cement with Dolomite and Barites powder. Use of dolomite powder and Barite powder in concrete can minimize the cost of concrete and may also increase the strength. M25 grade of concrete was used for which the Barites powder and Dolomite powder is replaced and an experimental study was carried out and the effect on compressive strength, spilt tensile strength, flexural strength was studied. The present investigation indicates the replacement of cement with barites and dolomite powder 8%, 10%, 12%, 14% should an increase in the compressive strength, flexural strength, split tensile strength in the early stages 7th day, 14th day, 28th day.

Key words: Compressive strength, Split tensile strength, Flexural strength, Dolomite powder, Barite powder.

CHAPTER-7
CONCLUSION

1. The global consumption of cement is getting higher due to its extensive use in concrete. This effect can be reduced by cement replaced with some supplementary materials like Dolomite Powder, Barite Powder.
2. It is concluded that the global consumption of cement in construction is reduced.
3. The workability of concrete is increased.
4. The desired minimum strength in the hardened stage is achieved.
5. The effect of barites powder and dolomite powder on the mechanical properties of concrete is clearly found.
6. The Mechanical properties like compressive, Flexural, Split tensile strength of the concrete is increased.
7. By doing this investigation we would be concluded that the compressive strength of the concrete will be increased at 10 % and decreased at 12% when compared to the conventional concrete.
8. The split tensile strength will be increased at 10 % and decreased at 12% when compared to the conventional concrete.
9. The flexural strength will be increased at 10 % and decreased at 12 % and again increased at 14% when compared to the conventional concrete.

A Proposed Project Report on

"AN EXPERIMENTAL INVESTIGATION ON CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH ALUMINIUM OXIDE"

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

by

M. AVINASH REDDY	19705A0103
A. BHARGAV REDDY	18701A0116
M. KARTHIK REDDY	19705A0120
D. HARISH	19705A0117
K. BHANU PRAKASH REDDY	18701A0115
P. GOURI SHANKAR	17705A0108

Under the guidance of

Dr. T. NARESH KUMAR, M. Tech, Ph.D.

Associate Professor & Head of Department, Civil Engineering

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS)

(Approved by AICTE, JNTUA, Anantapur, Accredited by NBA, NAAC & IEI)

New Boyanapalli, RAJAMPET-516126.

2021-2022

CERTIFICATE

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PROJECT GUIDE

Dr. T. NARESH KUMAR

Associate Professor

HEAD OF DEPARTMENT

Dr. T. NARESH KUMAR

Associate Professor &HOD

	Name of the Examiner	Signature with date
1	Internal Examiner	
2	External Examiner	

ABSTRACT

In this study the effects of aluminium oxide on the properties of concrete were investigated. The aluminium oxide dosages were varied from 0% to 15% with the increments of 5% by the weight of cement. Aluminium oxide the capability to provide an increase in strength of concrete. The concrete specimens were tested for 7days, 14days, 28days. Concrete specimens exhibited variation in their compressive strength, split tensile strength and flexure strength based on their curing period. At 10% of aluminium oxide the strength is optimum for compression, split tensile and flexure strength. By increasing the percentage of aluminium oxide the strength decreases depends on curing period.

Key words: Compressive Strength, Flexure Strength, Split Tensile Strength, Aluminium Oxide

CHAPTER 5

CONCLUSION

The following are the conclusions drawn from this work:

1) The experimental result showed that there was an increment of about 38.81%, 19.35% and 22.34% at 7, 14, 28 days of compressive strength in comparison with the control mix and could be due to the filler effect of the material used.
2) There was an improvement observed in tensile strength with an incremental rate of 27.89%, 26.05% and 15.92% at 7, 14, 28 days when compared with trial mix.
3) The flexural strength of the concrete was improved by a rate of 29.62%, 26.24% and 41.04% at 7, 14, 28 days with reference to control mix.

However, it was observed that there was an early age strength improvement in the specimens mixed with Al_2O_3. Further studies are required to assess the behaviour of Al_2O_3 in concrete in term of micro-structural properties.

A Proposed Project Report On

"EVALUATION OF STRENGTH PROPERTIES OF GEOPOLYMER CONCRETE"

Submitted in partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

B. LAKSHMI NARESH	**(19705A0123)**
M. DINESH	**(19705A0112)**
B. BALA CHOWDAIAH	**(19705A0105)**
K. GANGADHAR REDDY	**(19705A0116)**
S. KULAI SHAREEF	**(19705A0122)**

by

Under the guidance of

Dr. T. NARESH KUMAR.

Associate professor & Head,

Department of Civil Engineering

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2021-22

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF CIVIL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled **"EVALUATION OF STRENGTH PROPERTIES OF GEOPOLYMER CONCRETE"** is a bonafide project work submitted by

B. LAKSHMI NARESH	**(19705A0123)**
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PROJECT SUPERVISOR

Dr. T. NARESH KUMAR.
Associate Professor & Head
Department of Civil Engineering

HEAD OF DEPARTMENT

Dr. T. NARESH KUMAR.
Associate Professor & Head
Department of Civil Engineering

Internal Examiner

External Examiner

Place:

Date:

ABSTRACT:

Concrete is made of cement, aggregate, water and some additives. In the past researchers ordinary Portland cement [OPC] was used but now-a-days using of OPC is reduced because of high energy consumptions and harmful emissions of carbon dioxide. As a new class of new cement binders geopolymer are used as alternative to OPC. Geopolymer Concrete [GPC] is known as a new type of concrete with enhance ductility characteristics over conventional concrete. In this experimental study, fly ash is used with granulated ground blast furnace slag [GGBFS] to enhance the strength properties of concrete. The specimen was subjected to compressive, split tensile and flexure test. The past researchers were said that there is an increase in the strength of using GPC.

KEY WORDS: OPC, Fly Ash, Ground Granulated Blast Furnace Slag, GPC.

CHAPTER-5

CONCLUSION

The study is used to analysis the strength of the Geopolymer concrete with the different mix proportions of Fly ash and GGBFS. The study reveals that the geopolymer concrete is the perfect replacement of the conventional concrete. The values obtained in the study shows that Geopolymer concrete releases very less CO_2 emissions when compared with conventional concrete. The experimental results show the following conclusions

- The Compressive strength, split tensile and Flexural test results showed the optimum values of strength compared with OPC concrete.
- With the increasing of curing period the values of the strengths were increased.
- In the Compression test results at the 28 days of curing period shows optimum value.
- In the Split tensile test results showed that at the optimum results obtained for the mix of 25% Fly ash and 75% GGBFS at the age of 28 days.
- In the Flexural test the maximum values are obtained at 28 days of curing period.

Compare to the conventional concrete the Geopolymer concrete results shows the optimum values and the strength results are increasing gradually when the age of curing increases. The Mix-4 (25% Fly ash and 75% GGBFS) shows optimum values for all the test results.

A Proposed Project Report on

"AN EXPERIMENTAL INVESTIGATION ON CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH ALUMINIUM OXIDE"

Submitted in partial fulfillment of requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

by

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Under the guidance of

Dr. T. NARESH KUMAR, M. Tech, Ph.D.

Associate Professor & Head of Department, Civil Engineering

Submitted to

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2021-2022

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PROJECT GUIDE

Dr. T. NARESH KUMAR

Associate Professor

HEAD OF DEPARTMENT

Dr. T. NARESH KUMAR

Associate Professor &HOD

	Name of the Examiner	Signature with date
1	Internal Examiner	
2	External Examiner	

ABSTRACT

In this study the effects of aluminium oxide on the properties of concrete were investigated. The aluminium oxide dosages were varied from 0% to 15% with the increments of 5% by the weight of cement. Aluminium oxide the capability to provide an increase in strength of concrete. The concrete specimens were tested for 7days, 14days, 28days. Concrete specimens exhibited variation in their compressive strength, split tensile strength and flexure strength based on their curing period. At 10% of aluminium oxide the strength is optimum for compression, split tensile and flexure strength. By increasing the percentage of aluminium oxide the strength decreases depends on curing period.

Key words: Compressive Strength, Flexure Strength, Split Tensile Strength, Aluminium Oxide

CHAPTER 5

CONCLUSION

The following are the conclusions drawn from this work:

1) The experimental result showed that there was an increment of about 38.81%, 19.35% and 22.34% at 7, 14, 28 days of compressive strength in comparison with the control mix and could be due to the filler effect of the material used.
2) There was an improvement observed in tensile strength with an incremental rate of 27.89%, 26.05% and 15.92% at 7, 14, 28 days when compared with trial mix.
3) The flexural strength of the concrete was improved by a rate of 29.62%, 26.24% and 41.04% at 7, 14, 28 days with reference to control mix.

However, it was observed that there was an early age strength improvement in the specimens mixed with Al_2O_3. Further studies are required to assess the behaviour of Al_2O_3 in concrete in term of micro-structural properties.

A Project Report On

"A STUDY ON MECHANICAL PROPERTIES OF GRAPHENE OXIDE CEMENT CONCRETE"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

By

C. SAI PRATHYUSHA	**(18701A0157)**
Y. SWETHA	**(18701A0169)**
K. PRAVEEN KUMAR	**(18701A0145)**
P. VENKATA RAMANA	**(19705A0164)**
K. YATEESWAR REDDY	**(19705A0168)**
P. RAM PRATHAP REDDY	**(18701A0151)**

Under the guidance of

Dr. T. NARESH KUMAR.

Associate Professor and Head

Department of Cvil Engineering

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

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New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2021-22

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF CIVIL ENGINEERING

BONAFIDE CERTIFICATE

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PROJECT SUPERVISOR
Dr. T. NARESH KUMAR.
Associate Professor and Head
Department of Civil Engineering

HEAD OF DEPARTMENT
Dr. T. NARESH KUMAR
Associate Professor and Head
Department of Civil Engineering

Internal Examiner

External Examiner

Place: Rajampet
Date: 30/5/22

ABSTRACT

Cement is the main constituent of Concrete as binding and the only component which is scientifically controlled. Now a days, different types of cements are increasingly used in the market asserting the enhanced strength and durability and increase in service life of structure. Laboratory tests like Compressive strength, Wet and Dry, Acid resistance, were conducted to access the robustness of mortar. Graphene is an allotrope of carbon consisting of a single layer of atoms arranged in a two-dimensional honeycomb lattice nanostructure. The use of graphene concrete additives can increase strength, reduce clinker factor in cements (reducing carbon footprint) and potentially increase longevity of products. The technology has the potential to deliver stronger, less permeable concrete structures enabling a new generation of concrete designs. Present research work aims to enhance GO reactivity by increasing its exfoliation and its count by mechanical milling and to exploit it as a low-cost dispersed phase having different sheet thicknesses and sheet sizes for strength enhancement of cementitious matrix by regulating crystal patterns and microstructural features.

KEY WORDS: Graphene Oxide, Cement Mortar, Compressive strength, Cementitious matrix.

CHAPTER 8

CONCLUSION

The level of increase in compressive strength and the reduction in porosity were strongly correlated. The addition of GO reduced the influence of ITZ on the compressive strength. By considering the micro features of ITZ, the accuracy of prediction at macro level would be significantly improved for cementitious materials.

Basic on the experimental work, it can be concluded that;
Graphene oxide is easy to process; it is dispersible in water and other solvent

1. For 0.06% replacement the compressive strength obtained after 28 days of curing at an increment rate. The increment of compressive strength could be due to development of hydration crystals. And decrease in strength at 0.08% could be due to agglomeration.
2. The Split tensile test of conventional Concrete is2.51N/mm^2 up to 0.06% of replacement in grapheme oxide there is increase in split tensile test, the test result shows for 28days.The increment is split tensile strength that 0.06% could be due to inter layer bonding between GO sheets.
3. Addition of Graphene Oxide enhance the strength of concrete. The 7 days, 14days,28days of compressive strength and split tensile strength were maximum at 0.04% GO over and above this dosage both the strengths tends to decrease this could be due to the dispersion and agglomeration of GO flakes.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

ACADEMIC YEAR 2021-22

IV Year B.Tech. I Semester

Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7G271	Power Semiconductor Drives	3	1	--	3
7G373	Digital Signal processing	3	1	--	3
7G576	Management Science	3	1	--	3
	Open Elective	3	1	--	3
	Professional Elective -I	3	1	--	3
	Massive open online course	--	--	3	3
7G276	Power System Lab-II	--	--	3	2
7G277	Microprocessors & Microcontrollers lab	--	--	3	2
7G278	**Industrial Internship/ Mini project**	--	--	3	2
7G279	Comprehensive Electrical & Electronics Engineering	--	--	2	1
	Total	**15**	**5**	**14**	**25**

IV Year B. Tech. II Semester

Subject Code	Subject Name	Hours /Week			C
		L	T	P	
	Professional Elective -II	3	1	--	3
	Professional Elective -III	3	1	--	3
	Professional Elective -IV	3	1	--	3
7G28A	Seminar-III	3	--	2	1
7G289	Project Work	--	--	8	8
	Total	**9**	**3**	**10**	**18**

Note: L - Lecture; T-Tutorial; P – Practical; C – Credits

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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Annamacharya Institute of Technology & Sciences::Rajampet
Department of Electrical and Electronics Engineering
PROJECT WORK BATCHES : - 2021-22
IV - EEE (A)

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	18709A0202	CHAITANYA KRISHNA AVULA	Dr.M.PADMA LALITHA	Liquid metal battery for energy storage
	18709A0208	VENKATA VAMSI KRISHNA TALAPANENI		
	18709A0203	SAI BHARATH GANAPATHI		
	18701A0216	GANESH REDDY GOBUGARI		
2	18701A0208	CHANDRIKA RACHAMALLU	Dr.P.JYOSHNA	Energy management based intelligent control for smart DC micro-grid
	18701A0229	MADHUSREE DESAI		
	18701A0233	MANOJ KUMAR ODETI		
	18701A0218	GNANESWARA REDDY MALLEM		
3	18701A0201	AISHWARYA SIRIGIREDDY	N.SREERAMULAREDDY	IOT based smart school bus monitoring and notification system
	19700A0212	NANDYALA VEERA KUMAR REDDY		
	19700A0205	TELLADALA MAHESH		
	19700A0206	YADALA MANIKANTA		
4	18701A0206	BHUVANESWARI GORUVA	P.SURESH BABU	Optimal DG placement using grey wolf algorithm
	18701A0210	DEEPIKA POLISETTY		
	18701A0221	HARSHAVARDHAN REDDY VENNAPUSA		
	18701A0228	MADHAVA REDDY GOPAVARAM		

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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5	18701A0231	MALLIKARJUNA ULLITHULA	M.RAMESH	A reactive voltage/current compensation ofhybrid DC-AC converter in micro-grid using CAPMS technique
	18701A0219	GOVARDHAN REDDY CHAGARI		
	19700A0201	LAKKIREDDY DINESH KUMAR REDDY		
	18701A0213	DIWAKAR YERRAMALA		
6	18701A0215	FAROOK SHAIK CHIRAKI	L.BAYA REDDY	Fully automatic regeneration based electricvehicle
	19700A0213	PALAGIRI VISHNU PAVAN		
	18701A0214	DURGA PRASAD GANJI		
	18701A0217	GANGA TEJESWAR MUMME		
7	18701A0230	MAHITHA KOVVURU	S.MUQTHIAR ALI	IOT based water level monitoring and damgate control
	19700A0208	MALLARI PAVAN		
	18709A0201	BALAJI UDDANDAM		
	18701A0212	DIWAKAR REDDY YEDDULA		
8	18709A0204	SIREESHA NARA	P.BHASKARA PRASAD	Simulation of wind-hydro micro grid forrural energy system
	18701A0223	KARTHIK HARIVARAM		
	19700A0204	PERAM JYOTHSNA		
	18709A0206	VAMSHIDHAR REDDY ALAVALA		
9	18701A0202	AMULYA SALVA	T.ARUN KUMAR	Fuzzy logic control based grid integration ofhybrid energy system
	18701A0203	ANITHA HASTHI		
	18709A0207	VENKATA CHARAN ARIGE		
	19700A0211	GAJJALA SANKAR REDDY		
10	18701A0235	NAGAVENI PANJAM	C.GANESH	PC based power grid control using wireless communication
	18701A0220	HARI PRIYA AVULA		
	19700A0207	P MANIKANTESWAR REDDY		
	18701A0204	ARUN KUMAR AMALDAR		

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11	18701A0207	CHAKRAVARTHI AVULA	Dr.K.DHANUNJAYA BABU	Hybrid based energy storage system onbattery for micro grid
	19700A0203	NALLANI GOVARDHAN		
	19700A0210	KUMMARA PURUSHOTHAM		
	18701A0211	DILEEPTEJA YADAV DASARI		
12	18701A0224	KISHORE GOPAVARAM	M.MAHESH	Design and implementation of ANF-PLL based detection method for Offshore windpower converter under different power quality problems
	18701A0222	KALYAN KUMAR REDDY PUTTA		
	19700A0202	GUGGULLA GANGADHARA REDDY		
	18709A0205	TULASI REDDY BANDI		
13	18701A0232	MANASA POLISETTY	P.RAVINDRA PRASAD	Simulation of isolated hybrid micro gridwith fuzzy controller
	19700A0209	NAGIREDDY PUJITHA		
	19700A0214	GURIGA VISHNU VARDHAN		
	18701A0234	MOHAMMED SAMEER SHAIK		

HOD, EEE

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Annamacharya Institute of Technology & Sciences::Rajampet

Department of Electrical and Electronics Engineering

PROJECT WORK BATCHES : - 2021-22

IV - EEE (B)

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	18701A0263	SUJANAVEENA BALARAJU	Dr. P. GOPI	Scheme of controller for single stage solar PV fed BLDC motor driven water pump
	18701A0239	PRAGNA AVULABALAIAHGARI		
	19705A0201	ANILKUMAR BARIGELA		
	18701A0247	SAI KUMAR SAMBAGALLU		
2	18701A0271	VARA LAKSHMI JUTURU	Dr.P.B. CHENNAIAH	Simulation and modelling of wind turbine using PMSG with maximum power tracking control
	19705A0210	CHARAN B		
	19705A0207	BHARATHI VARAPANA		
	19705A0211	CHOWDARY KUMAR C		
3	18701A0268	TEJASWI PALEMPALLI	Dr. O.HEMAKESAVULU	Face mask detection using bounding box algorithm
	19705A0203	ASHOK PULLAGURA		
	18701A0282	YOGESWARA REDDY LEKIREDDY		
	18701A0279	VINAY KUMAR REDDY SURA		
4	18701A0258	SIVASANKAR REDDY BATTENA	Dr. S.SURESH	Self Adjustable step based control algorithm for grid interactive multi functional single phase PV battery system under abnormal Grid conditions
	18701A0249	SAI SURYA TEJA B P		
	18701A0261	SRICHARAN K		
	18701A0270	VAMSI KRISHNAM RAJU SANGARAJU		

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5	18701A0278	VIJAYA DEEPTHI BANDI	K.HARINATHREDDY	A phase shifting MPPT method to mitigate inter harmonics from PV inverters
	18701A0245	RANGANATH KONANKI		
	18701A0238	PAWAN KUMAR REDDY KOTTE		
	18701A0237	PAVAN KUMAR KADAPALA		
6	18701A0267	SWARNA LATHA YALAMAKURU	Mrs S.SARADA	Simulation of electric grid and analysis at different conditions
	18701A0272	VENKATA KOTI REDDY BEEMACHERLA		
	18701A0240	PRAVEEN KUMAR K		
	18701A0256	SINDHUJA TUMMALA		
7	18701A0254	SHALINI MEDA	Dr. M. PADMA LALITHA	Smart notice board using mobile application
	18701A0273	VENKATA NIKHIL KUMAR MYLARU		
	19705A0208	BHARGAVA GOUD KAMBAGOUNI		
	18701A0264	SUNILKUMAR REDDY BAPATHI		
8	18701A0265	SUREKHA BATTU	D.SAIKRISNAKANTH	Real time vehicle detection system based on IOT
	18701A0275	VENKATA SUDHARSHAN YADAV AVULA		
	18701A0252	SASHIKUMAR TALLAPRODDUTURU GURRAM		
	18701A0246	SAI ANAND KUMAR CHITTIBOINA		
9	18701A0266	SUREKHA KICHAIAHGARI	Mrs. VEENA	Modelling and controller design for temperature control of heat exchangers in power plants
	18701A0274	VENKATA SAI PREETHI SANDHYAVANDANAM		
	19705A0209	GURU CHANDRA SEKHER		
10	18701A0269	TEJASWINI HASTHI	M.SAISANDEEP	IOT based smart shoe for visually impaired
	18701A0243	RAJASEKHAR RAJU KONDURU		
	18701A0259	SOWMYA EPPAGUNTA		
	18701A0241	PREM KUMAR VALMIKI		

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11	18701A0280	VINISHA THALLEM	Dr.B.MADHUSUDAN REDDY	Auto gas ventilation and smart management system using IOT
	19705A0204	BABAFAKRUDDIN DHARUBAIGARI		
	18701A0248	SAI PRATHAP REDDY HASTHAVARAM		
	19705A0205	BABAVALI DUDEKULA		
12	18701A0257	SIREESHA MADIGA	B.MURALI MOHAN	Implementation of solar battery and diesel generator based electric vehicle charging station
	19705A0212	GEETHA VANI KARNA		
	18701A0236	NARASIMHA DINAKAR GURRALA		
	18701A0250	SANTHOSH KUMAR REDDY ANNAREDDY		
13	18701A0281	VISHNUVARDHAN REDDY MADITATI	K.HARINATHREDDY	Control strategy of photovoltaic generation inverter grid connected operating and harmonic elimination hybrid system
	18701A0276	VENKATESH DASARI		
	18701A0262	SRILAKSHMI VENNAPUSA		
	17701A0249	NIDIGINTI SAI KRISHNA		
14	18701A0244	RAMYA SREE DHANIREDDY	Mrs. M. MARUTHI NANDINI	Fault detection and reporting system for municipal department
	18701A0242	RACHANA DEVIREDDY		
	19705A0202	ARAVIND KUMAR BESTHA		
	17701A0206	KONDIPATI BALAJI		

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES::RAJAMPET

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

PROJECT WORK BATCHES : - 2021-22

IV EEE -C

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	19705A0222	DUGGASANI KEERTHANA	Dr.P.B.CHENNAIAH	IOT Based Automated Indoor Hydroponic Farming.
	19705A0219	SYED IMRAN BASHA		
	19705A0233	PASUPULETI NAVEEN KUMAR		
	19705A0246	PIDUGU SARALA		
2	19705A0227	KURABA MAHESWARI	Dr.B.MADHUSUDHAN REDDY	Web Based IoT Controlling HES Using ESP8266.
	19705A0251	KOMMA BALINGANNAGARI SIVAKOTESWAR REDDY		
	19705A0245	KONDU SANTHOSH KUMAR REDDY		
	19705A0250	VUNDELA SIVA SINDHU		
3	19705A0261	GANTA VENKATADRI	Dr.P.GOPI	Auto Selections of any available phase in 3-phase supply system
	19705A0223	BATTALA KEERTHI		
	19705A0262	REVILLA VENKATAVISWAM		
	19705A0236	BAJANTHRI PAVAN KUMAR		
4	19705A0253	THEETLA SUNEELA	Dr.O.HEMAKESAVULU	An Autonomous Electric Car on E-Roads
	19705A0260	PASALA VEERASAIMOUNIKA		
	19705A0225	PARAMATAVEEDI MADHU		
	19705A0241	YETURU REDDAIAH		
5	19705A0266	DEVARA YESWANTH KUMAR REDDY	Dr.S.SURESH	Fault Level detection of a 3-phase Induction Motor using MATLAB Simulink
	19705A0265	RUDRARAJU VISHNUVARDHAN RAJU		
	19705A0256	SHAIK THAYEEB BASHA		
	19705A0216	MARE HARITHA		
6	19705A0234	VELLURU NITEESH KUMAR	Ms.P.LAKSHMI SRAVANI	Real-Time data acquisition to excel and monitoring of solar panel using Arduino
	19705A0214	VASE HARISH BABU		
	19705A0238	VADINALA RAMAKRISHNA		
	19705A0215	NADAMALA HARISH KUMAR REDDY		
7	19705A0247	SHAIK SHAMEEM	Mrs.A.HIMA BINDU	Design & Analysis of Interlinking Converters for Renewable Integration into Hybrid Grids
	19705A0259	SAKE VAMSIKRISHNA		
	19705A0243	ATOORI SAIKUMAR		
	19705A0244	NEELI SANTHOSH KUMAR		
8	19705A0242	GADIBAVI SAI KALYANI	R.MADHAN MOHAN	ZIGBEE Based WBMS Controlling of Temperature, Voltage and SOC by using Sensor Matrix
	19705A0255	MANNURU SWATHI		
	19705A0232	PUJALA NANDINI		
	19705A0239	GANDIKOTA RAMBABU		

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	19705A0205	BABAVALI DUDEKULA		
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	19705A0212	GEETHA VANI KARNA		
	18701A0236	NARASIMHA DINAKAR GURRALA		
	18701A0250	SANTHOSH KUMAR REDDY ANNAREDDY		
13	18701A0281	VISHNUVARDHAN REDDY MADITATI	K.HARINATHREDDY	Control strategy of photovoltaic generation inverter grid connected operating and harmonic elimination hybrid system
	18701A0276	VENKATESH DASARI		
	18701A0262	SRILAKSHMI VENNAPUSA		
	17701A0249	NIDIGINTI SAI KRISHNA		
14	18701A0244	RAMYA SREE DHANIREDDY	Mrs. M. MARUTHI NANDINI	Fault detection and reporting system for municipal department
	18701A0242	RACHANA DEVIREDDY		
	19705A0202	ARAVIND KUMAR BESTHA		
	17701A0206	KONDIPATI BALAJI		

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4	19705A0253	THEETLA SUNEELA	Dr.O.HEMAKESAVULU	An Autonomous Electric Car on E-Roads
	19705A0260	PASALA VEERASAIMOUNIKA		
	19705A0225	PARAMATAVEEDI MADHU		
	19705A0241	YETURU REDDAIAH		
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	19705A0256	SHAIK THAYEEB BASHA		
	19705A0216	MARE HARITHA		
6	19705A0234	VELLURU NITEESH KUMAR	Ms.P.LAKSHMI SRAVANI	Real-Time data acquisition to excel and monitoring of solar panel using Arduino
	19705A0214	VASE HARISH BABU		
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	19705A0215	NADAMALA HARISH KUMAR REDDY		
7	19705A0247	SHAIK SHAMEEM	Mrs.A.HIMA BINDU	Design & Analysis of Interlinking Converters for Renewable Integration into Hybrid Grids
	19705A0259	SAKE VAMSIKRISHNA		
	19705A0243	ATOORI SAIKUMAR		
	19705A0244	NEELI SANTHOSH KUMAR		
8	19705A0242	GADIBAVI SAI KALYANI	R.MADHAN MOHAN	ZIGBEE Based WBMS Controlling of Temperature, Voltage and SOC by using Sensor Matrix
	19705A0255	MANNURU SWATHI		
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	19705A0239	GANDIKOTA RAMBABU		

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9	19705A0221	TATICHERLA KANCHANA	P.BHASKARA PRASAD	Control Strategies for fault detection in multilevel inverter used in smart grid
	19705A0257	CHENNAMSETTY TIRUPATHI BALAJI		
	19705A0254	SIRIGIRI SURENDRA		
	19705A0263	DANDUBOYINA VIJAYCHANDER		
	19705A0264	MALA VISHNU VARDHAN		
10	19705A0230	KOPPALA MUNI SEKHAR	P.SURESH BABU	Reactive Power Compensation using vehicle to grid enabled bidirectional offboard EV Charger
	19705A0228	VULASALA MANIKANTA		
	19705A0226	NAGOLA MAHESH KUMAR		
	19705A0235	THALARI PARUSURAMUDU		
11	19705A0258	VALLAPU REDDY VAMSEEDHAR REDDY	Dr.P.JYOSHNA	Optimal DG Placement using Fuzzy & Ant Lion Algorithm
	19705A0224	MIDUTHURU LEENA BHANU		
	19705A0249	MALLELA SHIVA SHANKAR		
	19705A0252	BONALA SREEKHAR		
12	19705A0248	KONA SHIVA PRAKASH REDDY	Dr.K.DHANUNJAYA BABU	Solar Power unmanned aerial vehicle with AOF under non-linear load conditions
	19705A0267	SHAIK YUSUF		
	19705A0220	AVULA JASHUVA		
	19705A0240	MEKALA RAMESH		
13	19705A0213	CHITTIBOINA GOWTHAMI	N.SREERAMULA REDDY	Load Shedding Time Management with Programmable Interface
	19705A0229	E MOUNIKA		
	19705A0237	RENDUCHERLA VALMIKI PAVANKUMAR		
	19705A0217	SHAIK HARSHAD		

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A

project report on

GAS LEAKAGE WITH AUTO VENTILATION AND SMART MANAGEMENT SYSTEM USING IOT

Submitted in partial fulfilment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

T.VINISHA (18701A0280)

D.BABAFAKRUDDIN (19705A0204)

H.SAI PRATHAP REDDY (18701A0248)

D.BABA VALI (19705A0205)

Under the esteemed guidance of

Dr.B.MADHUSUDHANA REDDY, M.Tech.,Ph.D.

Associate Professor

Department of EEE

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES:

RAJAMPET

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Rajampet, Kadapa (Dist), A.P-516126.

2021-2022

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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Rajampet, Kadapa (Dist), A.P-516126.

CERTIFICATE

This is to certify that the project work entitled

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is a bonafied record of work done by

T.VINISHA	**D.BABAFAKRUDDIN**
(18701A0280)	**(19705A0204)**
H.SAI PRATHAP REDDY	**D.BABA VALI**
(18701A0248)	**(19705A0205)**

In partial fulfilment of the requirements for the award of degree of **Bachelor of Technology** in the **E.E.E.** during the year **2021-2022.**

SIGNATURE OF THE GUIDE	**SIGNATURE OF THE H.O.D**
Dr.B.MADHUSUDHANA REDDY,M.Tech.,Ph.D.	**Dr.M.PADMALALITHA,M.Tech.,Ph.D.**
Associate Professor,	Head of Department,
Department of EEE,	Department of EEE,
A.I.T.S, Rajampet.	A.I.T.S, Rajampet.

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Dr.B.MADHUSUDHANA REDDY,M.Tech.,Ph.D.	**Dr.M.PADMALALITHA,M.Tech.,Ph.D.**
Associate Professor,	Head of Department,
Department of EEE,	Department of EEE,
A.I.T.S, Rajampet.	**A.I.T.S, Rajampet.**

CONCLUSION

Arduino based gas spillage detection & smart management system has been proposed. The motivation of this proposal is to help people who are unconscious and to reduce the risk of fire death and reduce the damages of the infrastructure. The proposed system has the facility of gas detection and fire. If gas fire detected by the system then it will notify to the homeowner through SMS and also buzzer on. There are two important features are auto ventilation and water flow via solenoid valve in the proposed system. The proposed system is exceptionally valuable to forestall fire demise. In this manner, the harms are mainly caused due to the gas spillage and it can be limited by utilization of IOT based smart gas management system. Our system is providing its requirement but adding some more features we wish to make the assignment more convenient.

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A

Project Report On

IOT BASED WATER LEVEL MONITORING AND DAM GATE CONTROL

Submitted in partial fulfillment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

K. Mahitha
(18701A0230)

M.Pavan
(19700A0208)

U.Balaji
(18709A0201)

Y.Diwakar Reddy
(18701A0212)

Under the esteemed guidance of

Mr.S. MUQTHIAR ALI, M.Tech.

Assistant Professor

Department of EEE

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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Rajampet,Kadapa(Dist),
A.P-516126.

CERTIFICATE

This is to certify that the project work entitled **IOT BASED WATER LEVEL MONITORING AND DAM GATE CONTROL** is a bonafied record ofwork done by

K.Mahitha (18701A0230)	M.Pavan (19700A0208)
U.Balaji (18709A0201)	Y.Diwakar Reddy (18701A0212)

In partial fulfillment of the requirements for the award of degree of **Bachelor of Technology** in the **E.E.E.** during the year **2021-2022.**

SIGNATURE OF THE GUIDE	**SIGNATURE OF THE H.O.D**
Mr.S.MUQTHIAR ALI,M.Tech.,	Dr.M.PADMA LALITHA,M.Tech, Ph.D.,
Assistant Professor, Department of EEE, A.I.T.S. Rajampet.	Professor & Head of Department, Department of EEE, A.I.T.S. Rajampet.

CONCLUSION

The IOT enabled water overflow monitoring system is done using the Arduino and other components. By using these components to send altering message and dam gate controlled by using Blynk Web application. The system can be further developed with more sensors and can be extended. With the help of sensors and hardware components we can conserve the water in the sense control the unnecessary water wasting and saving the electricity also. By giving alert message to the user (mobile) about water level to conserve the energy. Moreover, this particular application useful for Home, Small scale industries. Finally, the project based simple components implemented which make efficient, cost wise this is cost effective. Hence this project gives the reliable solution to the users.

FUTURE SCOPE

This project is useful for large dam systems to control the overflow of water. We can control the dam gates from any place of the world. Also we can measure polluted water using pH sensor. By this project each and every variation of water level is informed to web server through internet & nearby people can be informed in time. Thus, saving lots of lives avoiding unpleasant scenarios. It is possible to have real prototyping of this module in river by using float sensors which will monitor & control the water level & take necessary decisions according from any place.

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(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

INTERLINKING CONVERTER DESIGN AND ANALYSIS FOR RENEWABLE ENERGY INTEGRATION INTO HYBRID GRID

A

Project Report

Submitted in partial fulfilment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

D.KEERTHANA	**19705A0222**
S.IMRAN BASHA	**19705A0219**
P.NAVEEN KUMAR	**19705A0233**
P.SARALA	**19705A0246**

Under the esteemed guidance of

Dr.P.B.CHENNAIAH, M.Tech.,PhD.,

Associate Professor

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES: RAJAMPET

(Approved by AICTE, NEWDELHI & Affiliated to J.N.T. University, Anantapur)

Accredited by NBA, NAAC of UGC, BANGLORE.

Rajampet, Kadapa (Dist), A.P-516126.

2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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Accredited by NBA,NAAC of UGC, BANGALORE.

Rajampet, Kadapa (Dist), A.P-516126.

CERTIFICATE

This is to certify that the project work entitled

INTERLINKING CONVERTER DESIGN AND ANALYSIS FOR RENEWABLE ENERGY INTEGRATION INTO HYBRID GRID

is a bonafied record of work done by

D.KEERTHANA
(19705A0222)

S.IMRAN BASHA
(19705A0219)

P.NAVEEN KUMAR
(19705A0233)

P.SARALA
(19705A246)

In partial fulfilment of the requirements for the award of degree of **Bachelor of Technology** in the **E.E.E.** during the year **2021-2022.**

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Dr.P.B.CHENNAIAH,M.Tech.,Ph.D.,
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Dr.M.PADMALALITHA,M.Tech.,Ph.D.,
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6. CONCLUSIONS & FUTURE SCOPE

Conclusions

A combination of AC/DC microgrid has been discussed and different approaches are suggested for the interlinking converter to retain stable functioning of the system under different load and source conditions. The use of interlinking converter design with an LC filter has been presented as a viable approach for integrating several energy sources into AC or DC hybrid grids. The suggested method offers an easy and adaptable solution for MG operation. With a PV system as the primary power source, the hybrid AC/DC micro grid may be reliable for some small isolated industrial units. Since the global variable is pushed to a common value at a steady state, the interlinking converter of each DG approaches equality, and the system operating cost may be reduced at the same time. To validate the efficacy of the suggested method, simulations for power-sharing in hybrid AC/DC MG are executed in the MATLAB Simulink platform.

Future scope

The depletion of fossil fuels is resulting in the more use of renewable resources for the production of power. To produce more power, the integration of renewable sources in to hybrid grids is one of the best adaptable methods. For the integration of different renewable sources into hybrid grids the proposed interlinking converter architecture is a good solution. The proposed IC provides us the best results with the reduced leakage currents. The proposed advanced control architecture for IC can further be implemented by using HERIC seven-level arithmetic operation. It can also be further tested by developing algorithms using fuzzy neural networks.

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Project Report on

OPTIMAL DG PLACEMENT IN RADIAL DISTRIBUTION SYSTEM USING FUZZY & ANT LION ALGORITHM FOR MAXIMUM LOSS REDUCTION

Submitted in partial fulfilment of the
Requirements for the award of degree of

BACHELOR OF TECHNOLOGY
In
Electrical and Electronics Engineering

By

K. MUNI SEKHAR (19705A0230)

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N. MAHESH KUMAR (19705A0226)

T. PARUSURAMUDU (19705A0235)

Under the esteemed guidance of

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Assistant Professor

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2021-2022

CONCLUSION

The creators give another two-stage system for deciding the best areas and sizes for responsive power pay in dissemination organizations. The ideal locations will be determined using a fuzzy technique, and the optimal sizes will be determined using the ALO method.

The overall real power loss of the system has been drastically decreased, and bus voltages have significantly improved, thanks to the installation of distributed generation units at all potential sites. Based on the S.I values, the suggested fuzzy technique may determine the best dispersed generating locations. The suggested ALO approach iteratively looks for the best unit sizes for the least amount of power loss.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

SOLAR POWERED UNMANNED AERIAL VEHICLE WITH ACTIVE OUTPUT FILTER UNDER NON-LINEAR LOAD CONDITIONS

A

Project Report
Submitted in partial fulfilment of the
Requirements for the award of degree of

BACHELOR OF TECHNOLOGY
In

Electrical and Electronics Engineering

By

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P. MADHU (19705A0225)

P.V.S.MOUNIKA (19705A0260)

Y. REDDAIAH (19705A0241)

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Rajampet, Kadapa (Dist), A.P-516[illegible]

[redacted]

In partial fulfilment of the requirements for the award of degree of

Bachelor of Technology in the **E.E.E.** during the year **2021-2022.**

28/5/22

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SIGNATURE OF THE H.O.D

Dr.M.PADMALALITHA, M.Tech., Ph.D.,

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CHAPTER -VI

CONCLUSION

This research proposes and investigates a new active output filter-based electric power generating system for solar-powered unmanned aerial vehicles (UAVs). The proposed power generation system [redacted]

performance. These will reduce the transmission system's size and weight, as well as total hormonic distortion.

A Project Report On

"INVESTIGATION ON MECHANICAL PROPERTIES OF Mg-Ca

ABSTRACT

CHAPTER-6

Conclusions

1. A stir-casting process for producing Y2O3 particle reinforced magnesium and magnesium alloy (Mg-Ca) matrix composites has been developed. The flawless registry of yttria particles with pure magnesium revealed the correct processing parameter selection. The reinforcement particles (yttria) not only improve the oxidation resistance of magnesium but also give the component a good aesthetic appearance.

2. Yttria particles were added to improve the hardness, Young's modulus, and yield strength of pure magnesium and magnesium alloys (Mg-Ca). Mechanical properties have improved due to precipitate hardening, grain refinement, and a lower cracking tendency.

3. Due to the solution hardening effect, heat-treated composites had higher hardness. Intermetallic components are responsible for the increased hardness of magnesium alloy (Mg-Ca) composites.

A Project Report on

FABRICATION AND CHARACTERIZATION OF HYBRID POLYMER COMPOSITES REINFORCED WITH FLAX AND PALM FIBRES

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

T. SURYA VAMSI	**HT: 18701A0367**
S. ZABIULLA	**HT: 18701A0378**
K. VENU GOPAL	**HT: 18701A0374**
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Under the guidance of

Dr. P.V.SANJEEVA KUMAR, M.Tech, Ph.D.
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2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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DEPARTMENT OF MECHANICAL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled "FABRICATION AND CHARACTERIZATION OF HYBRID POLYMER COMPOSITES REINFORCED WITH FLAX AND PALM FIBRES" is a bonafide project work submitted by

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G. SAI SREE HARSHA	**HT: 17701A0351**

to the Department of MECHANICAL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in "Mechanical Engineering" for the academic year 2021-2022. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

PROJECT GUIDE
Dr.P.V.SANJEEVA KUMAR, M.Tech, Ph.D.
Associate Professor

HEAD OF DEPARTMENT
Dr. A.HEMANTH KUMAR, M.Tech Ph.D.
Professor& HOD

Internal Examiner

External Examiner

Place:

Date:

ABSTRACT

The need of new and better materials is always had demand in the various fabrication applications such as engineering, industrial, medical, space, sports etc. The Composite materials are the latest and emerging materials in order to the fulfil this need. The polymer based composites are mainly used in low-cost application such as in food storage, household utensils, low-cost vehicles etc. The present objective of the work is fabricating and characterization of the polymer based composites reinforced with flax and palm fibres.

The epoxy resin is mainly used as the matrix material and hand layup method is used for fabricating the composite plates reinforced with flax and palm fibres. The composite plates are made separately with flax fibres and palm fibres and the combination of flax and palm fibres. The mechanical testing is done to investigate its tensile strength, flexural strength and hardness. The obtained results are validated and justified such as the composites reinforced with the combination of both flax and palm fibres given the best results compared with the individual.

6. CONCLUSIONS & SCOPE OF FUTURE WORK

The following are the conclusions and scope of the future work observed from the results of the polymer-based composites reinforced with flax and palm fibres which are successfully fabricated by simple hand lay- up technique.

6.1 Conclusions

- Experimental evaluation of mechanical properties like tensile strength, flexural strength and hardness of polymer based composites reinforced with flax and palm fibres as per ASTM standards has been successfully completed.
- The tensile properties have been studied and the breaking load has been measured. The inclusion of flax and palm fibres reinforced polymeric composite significantly enhanced the ultimate tensile strength, yield strength and peak load of the composite.
- The tensile test is performed and the stress bearing capacity of specimen 1 (10%palm fibre) composite compared to specimen 2 (10%flax fibre) composite under tension has been increased from 46.34 MPa to 57.71. If both flax fibre and palm fibre are combinedly used in specimen 3 (hybrid- 5%flax fibre and 5%palm fibre) and tested then its tensile strength is improved to 64.69 MPa.
- The flexural test is performed and the flexural stress bearing capacity of specimen 1 (10% palm fibre) and specimen 2 (10%flax fibre) reinforced composites have quite same value (i.e., 205.26 MPa and 204.62 MPa). If both flax fibre and palm fibre are combinedly used in specimen 3 (hybrid- 5% flax fibre and 5%palm fibre) and tested then its Maximum stress is improved to 289.95 MPa.
- The hardness test is performed and the BHN of 10%flax fibre reinforced composite is 9.5 and the 10%palm fibre reinforced composite is 16.18. If both flax fibre and palm fibre are combinedly used (hybrid- 5% flax fibre and 5%palm fibre) then its hardness has increased to 20.33.
- Finally it concluded that the mechanical properties of combined polymer composites reinforced with flax and palm fibres have better than the polymer composites reinforced with individual flax or palm fibers.

6.2 SCOPE OF FUTURE WORK

There is a wide scope of present work for further investigation as follows.

- The present work can be extended to investigate the other mechanical properties such as impact strength, compressive strength, abrasion, wear properties etc.
- It can also trail with different percentage of reinforcement mixtures.
- The present work can also extend to investigate for thermal and electrical properties.

A Project Report on

"DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE"

Submitted in partial fulfillment of the requirement for the award of the degree of
BACHELOR OF TECHNOLOGY
In
MECHANICAL ENGINEERING
By

NAME:-	ROLLNUMBER:-
E.SUDHAKAR REDDY	19705A0345
A.SAI CHANDU REDDY	19705A0336
M.UDAY KUMAR	19705A0346
C.SRINIVASULU	19705A0343
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Under the esteemed guidance of
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Department of MECHANICAL ENGINEERING.

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2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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This is to **certify** that the **project report** entitled "**DESIGN AND FABRICATION OF HIGHWAY WIND TURBINE**" is submitted by

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K.PRASHANTH	19705A0330

During the **Academic Year 2021-2022** in partial fulfillment of requirements for the award of degree of **Bachelor of Technology** in **"MECHANICAL ENGINEERING"** to Jawaharlal Technological University, Anantapur is a bonafide work carried out by them under my guidance and supervision. The results embodied in the project report have not been submitted to any other university or institute for the award of any degree.

N. Deepthi

Project Guide
Mrs.N.DEEPTHI, M.Tech
Assistant Professor,
Department of ME.

Head of the Department
Dr.A.HEMANTHA KUMAR,M.Tech,ph.D
Professor &HOD,
Department of ME.

1/6/22

INTERNAL EXAMINER

01/06/22

EXTERNAL EXAMINER

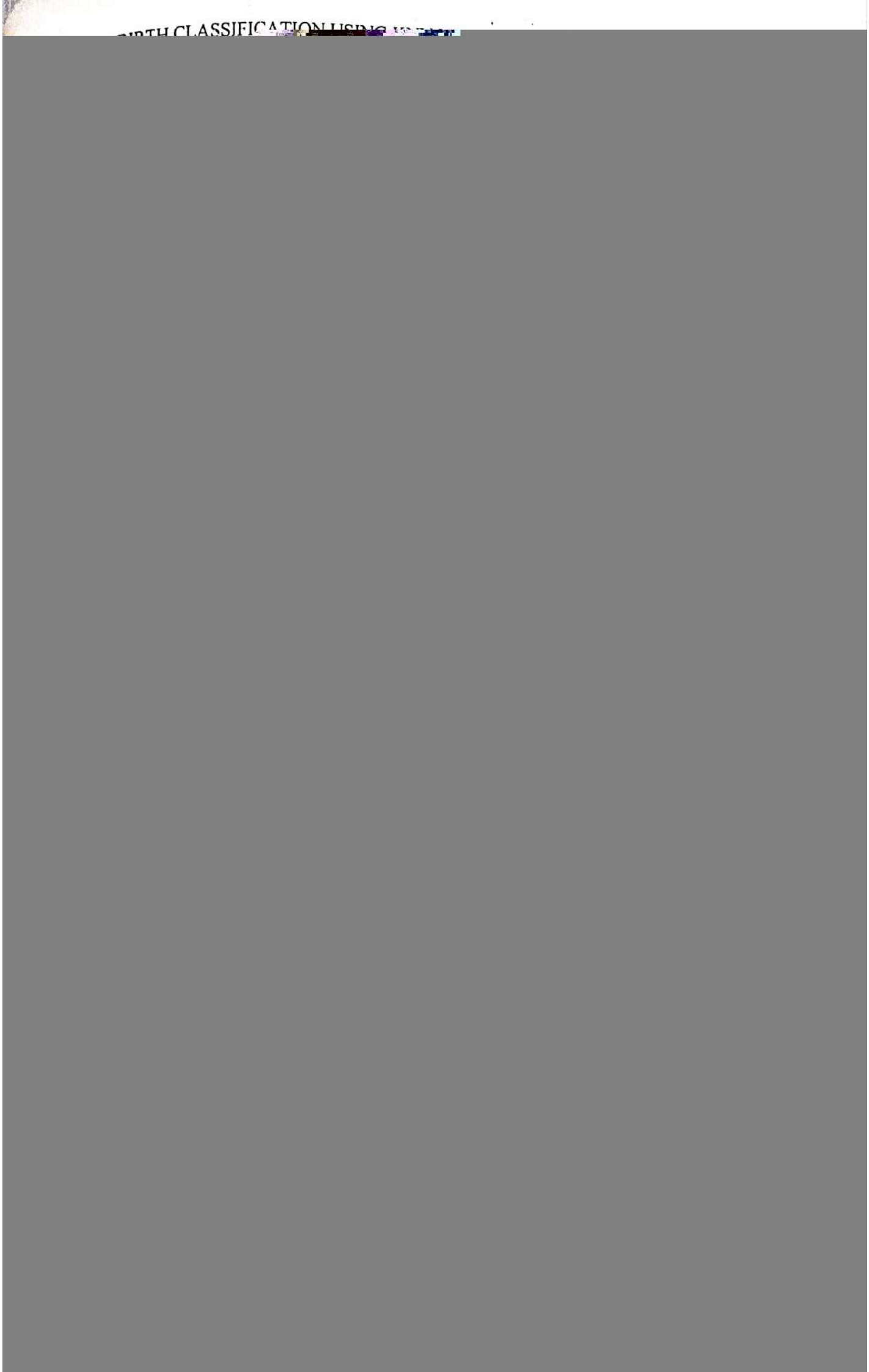
Date: 1/6/2022

ABSTRACT

The objective of the project is to design a wind turbine to recapture wind energy from vehicles on the highway. Wind energy is considered the fastest growing clean energy source however; it is limited by variable natural wind. Highways can provide a considerable amount of wind to drive a turbine due to high vehicle traffic. This energy is unused.Extensive research on wind patterns is required to determine the average velocity of the wind created by oncoming vehicles. The wind turbines will be placed on the medians therefore fluid flow from both sides of the highway will be considered in the design. Using all of the collected data, existing streetlights on the medians can be fitted with these wind turbines. Additionally, since the wind source will fluctuate, a storage system for the power generated will be designed to distribute and maintain a constant source of power. Ideally,the turbine can be used globally as an unlimited power source for streetlights and other public amenities.

A Project Report On

TERM BIRTH CLASSIFICATION USING KNN MACHINE



A Project Report On

"DESIGN OF REVERSIBLE LOGIC GATES USING QCA TECHNOLOGY"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

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K.VISHALAKSHI	**18701A04G6**
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N.SREENATH	**18701A04D6**

Under the Esteemed Guidance of

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Assistant Professor,

Department of E.C.E.

Submitted to

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, NEWDELHI &Affiliated to J.N.T.U.A, Anantapuramu)

(Accredited by NAAC(A-Grade),Bangalore,NBA)

Rajampet, Kadapa (Dist.), A.P-516126

2021-2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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Rajampet, Kadapa (Dist.), A.P- 516126.

CERTIFICATE

This is to certify that the project entitled **"DESIGN OF REVERSIBLE LOGIC GATES USING QCA TECHNOLOGY "** is a bonafide record submitted by

NAMES	*HT.NO.*
B.SUCHARITHA	**18701A04D8**
K.VISHALAKSHI	**18701A04G6**
B.SAINATH	**19705A0418**
N.SREENATH	**18701A04D6**

In partial fulfillment for the award of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS & COMMUNICATION ENGINEERING.** *for the year 2021-2022.*This record is a bonafide work carried out by them under my Guidance and Supervision.

SUPERVISOR

HEAD OF THE DEPARTMENT

Head of the Department
Electronics & Communication Engineering
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet-516 126.

EXTERNAL EXAMINER

ABSTRACT

Nanotechnologies, particularly QCA, provide an intriguing prospect for emerging technological tools. In this study, QCA is studied as a reversible logic implementation approach. We show an unique XOR gate as well as a fresh technique to implementing a 2:1 mux. Furthermore, by utilizing the suggested XOR gate, an effective and robust universal reversible gate is built. In compared to existing reversible gates, the suggested reversible gate performs admirably in cell count and cost while adopting the QCA. The gate is amongst the cost-effective framework assists so far, with the lowest overall cost.

CHAPTER-6

CONCLUSION

In this paper, we introduced a novel global reversible gate. The research has practical implications in the development of combinational circuits in the QCA field, where reversibility is a goal. The development of a strong new tiny reversible gate based on the innovative XOR operation arises from the implementation of a one-of-a-kind XOR gate. The operation of the recommended reversible gate was confirmed. In comparison to the previous most expense designs, the recommended reversible gate has the smallest count of cells, resulting in a 20% cost reduction.

A

Project Report on

"PARAMETRIC ANALYSIS OF CHANNEL ESTIMATION IN MASSIVE MIMO WITH 1-BIT ADCs"

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

S. ARSHIA SHAJARIN	18701A0413
V. BHASKAR REDDY	18701A0421
M. BHASKAR REDDY	18701A0420

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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in partial fulfillment of the requirements for the award of **BACHELOR OF TECHNOLOGY** ***in*** **"ELECTRONICS & COMMUNICATION ENGINEERING"**. ***This record is a bonafide Work carried out by them under my Guidance and Supervision. The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma for the year 2021-2022.***

SUPERVISOR

HEAD OF THE DEPARTMENT
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External Viva-Voce Exam held on dated: 30/05/2022

EXTERNAL EXAMINER

ABSTRACT

An analytical methodology for channel estimation and data decoding in huge multiple input multiple output uplink systems using 1-bit analog-to-digital converters is given (ADCs). Various approaches have been developed, but the QAM (Quadrative Amplitude Modulation) method is the most commonly employed. The receiver had to identify the "amplitude and phase" of each incoming symbol in order to decode QAM. When the signal intensity is greater than the noise strength, the two ends may choose the constellation procedure. The receiver in two-way communication has an equalizer and must untwist the incoming symbols back to their intended shape in order to decipher them accurately. Existing work does not provide a clear expression of the Mean Square Error (MSE) of channel estimation, making it impossible to examine its system performance in relation to various factors. Because it necessitates an extremely linear amplifier. In this work, MSE, Symbol Error Rate (SER) and Variance values are computed and provided their analysis to estimate the system performance.

Keywords: *channel estimation, MSE, SER, Variance*

CHAPTER 7
CONCLUSION

As a result, we believe that system performance can be improved. estimated by combining the various parameters as an example, mean square error, symbol rate of error and variance by contrasting these parameters with estimator as an example power(rho). The proposed system is more comprehensive and follows simple algorithms. In this work, MSE, Symbol Error Rate (SER) and Variance values are computed and provided their analysis to make an assessment of the system's performance.

A

Project Report on

"OPTIMIZATION OF AREA AND WIRELENGTH USING HYBRID BPSO ALGORITHM IN VLSI FLOORPLAN AND PLACEMENT FOR IC DESIGN"

Submitted in partial fulfilment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

M. SAI KUMAR	18709A0433
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J. HEYRAMA RAJU	18709A0414
M. VINAY	18709A0452

Under the esteemed guidance of

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Submitted to

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(Approved by AICTE, New Delhi, Affiliated to J.N.T.U, Anantapur)

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New Boyanapalli, Rajampet, Kadapa (Dist.), A.P-516126.

2021-2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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CERTIFICATE

This is to Certify that the Project entitled "OPTIMIZATION OF AREA AND WIRELENGTH USING HYBRID BPSO ALGORITHM IN VLSI FLOORPLAN AND PLACEMENT FOR IC DESIGN" ***that is being submitted by***

NAME	HT.NO:
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B. SUDARSHAN REDDY	**18709A0443**
J. HEYRAMA RAJU	**18709A0414**
M. VINAY	**18709A0452**

in partial fulfilment of the requirements for the award of BACHELOR OF TECHNOLOGY in "ELECTRONICS & COMMUNICATION ENGINEERING". This record is a bonafide Work carried out by them under my Guidance and Supervision. The results embodied in this Project report have not been submitted to any other University or Institute for the award of any degree or diploma for the year 2021-2022.

SUPERVISOR

PROJECT COORDINATOR

HEAD OF THE DEPARTMENT

Head of the Department
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New Boyanapalli, Rajampet-516 126.

External Viva-Voce Exam held on dated: 01/06/22

EXTERNAL EXAMINER

Abstract:

For hierarchical, building-block design methodologies, floorplanning is a crucial physical design stage. As the size of the circuit grows, so does the intricacy of the circuit rises. To deal with the growing complexity of design, the modules for intellectual property (IP) are commonly used in floorplanning. This presents a Hybrid BAT & particle swarm optimization algorithm for floorplanning optimization. Here in order to avoid overlapping, B*tree is utilized at the beginning of modules, and then the PSO algorithm, as well as the idea. The Bat Algorithm is used to generate crossover and mutations obtain the best possible placement solution. The primary goal of floorplanning is to reduce chip area and connections length of wire The Microelectronics Experiment Results Benchmark circuits from the Center of North Carolina (MCNC) that our method has a higher convergence rate.

Keywords:Floorplannig, Complexity, PSO, Bat algorithm, B* tree representation.

5. CONCLUSION

A Hybrid BPSO technique for VLSI floor-plan optimization is implemented in this study. The results of the experiments suggest that Hybrid BPSO is the optimum floorplan optimization approach. When compared to other existing approaches, it gives better outcomes. To test the viability, the implementation was first carried out on a few modules with a smaller floor-plan space. In comparison to the initial floor-plan area, an improvement in area was gained for floor-plans with a certain number of modules. The elapsed time is long because the number of iterations was set to 1000.

A Project Report On

"DETECTION OF CARDIOVASCULAR DISEASES USING OPTIMIZED MULTICHANNEL CARDIAC SOUND SIGNALS"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

M. LAVANYA	**18701A0463**
K. MOHAN KUMAR REDDY	**18701A0482**
P. NAGA SWETHA	**18701A0487**
M. NAGANJANEYULU	**19705A0409**

Under the Esteemed Guidance of

Mr. C. VENKATESH, M.Tech., M.I.S.T.E., A.M.I.E., (Ph. D)

Assistant Professor,

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Submitted to

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, NEWDELHI &Affiliated to J.N.T.U.A, Anantapuramu)

(Accredited by NBA, NAAC (A-Grade), Bangalore)

Rajampet, Kadapa (Dist.), A.P-516126

2021-2022

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AN AUTONOMOUS INSTITUTION)

(Approved by AICTE, NEWDELHI &Affiliated to J.N.T.U.A, Anantapuramu)

(Accredited By NBA, NAAC(A-Grade), Bangalore)

Rajampet, Kadapa (Dist.), A.P- 516126.

CERTIFICATE

This is to certify that the project entitled "**DETECTION OF CARDIOVASCULAR DISEASES USING OPTIMIZED MULTI CHANNEL CARDIAC SOUND SIGNALS**" is a bonafied record submitted by

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SUPERVISOR

HEAD OF THE DEPARTMENT

Head of the Department
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External Viva-Voice Exam held on dated: 31-05-2022

EXTERNAL EXAMINER

ABSTRACT

Heart diseases or cardiovascular diseases (CVD) are one type of diseases that include heart or vessels (veins and arteries). Cardiovascular Disease (CVD) is considered as one of the major causes of death for both men and women throughout the world. The significant growth of these diseases and their complications, and their high costs adversely affect the societies and impose a lot of financial and physical burden on the international community. Cardiovascular Disease cannot be easily predicted by the medical practitioners as it is a difficult task which demands expertise and higher knowledge for prediction. Though real-life consultants can be able to predict the disease with an enormous number of tests and requiring a huge processing time, sometimes, their prediction may be incorrect because of lack of skilled knowledge. Therefore, using effective methods to do prevention is very vital. Heart sound signals reflect valuable information about heart condition. Previous studies have suggested that the information contained in single-channel heart sound signals can be used to detect Cardio vascular Disease. But accuracy based on single-channel heart sound signal is not satisfactory. In this work a novel method is proposed on multi domain feature fusion of multi-channel cardiac sound signals along with optimization technique.

The Proposed system initiates its operation by acquiring the ECG samples of Heart from different nodes and reshapes for proper sequence of buffering the ECG Pulses. The Buffered ECG pulses are suitably fused by multi-modal fusion frame work to combine all the pulses of similar magnitude and modalities. The fused ECG pulses are optimized with the robust neural network optimization technique like Gradient Descent optimization technique. Then, the optimized ECG pulses are clustered into different classes based on their pulse magnitudes by K-Means. The classification features are extracted from the optimized ECG pulses and are subjected to the abnormality's detection and classification by the Convolutional Neural Network. The detected abnormalities are again clustered into variant groups for disease classification. Finally, the classification results are conveyed with psychovisual and quantitative parameters such as Sensitivity, Specificity, Accuracy, PSNR, MSE etc.

CHAPTER 6

CONCLUSION

Cardiovascular Disease (CVD) is one of the major causes of death for both men and women throughout the world. The significant growth of these diseases and their complications adversely affect the societies and impose a lot of financial and physical burden on the international community. Heart sound signals reflect valuable information about heart condition. The information contained in heart sound signals can be used to detect cardiovascular disease. In this work a novel method was proposed to detect cardiovascular diseases using multi-channel cardiac sound signals along with optimization technique.

In this work, the ECG samples of different patients from Kaggle database were acquired and buffered and reshaped for the proper sequence of ECG pulses. The buffered ECG pulses were fused by multi modal fusion frame work by combined all the pulses of similar magnitude and modalities. The fused ECG pulses were optimized by Gradient Descent optimization technique and clustered into different classes based on their pulse magnitudes by K-Means technique. The features were extracted from the clustered ECG pulses and subjected to the abnormality detection and classification by the Convolutional Neural Network. Finally, the performance parameters such as sensitivity, specificity, Accuracy, cross entropy, gradient are computed and compared.

ADVANTAGES

- Early Detection
- Accurate Detection

APPLICATIONS

Medical Applications such as

- Detection of Heart Attack
- Detection of Heart Valve
- Detection of Heart Failure
- Detection of Vascular Disease

FUTURE SCOPE

For future work, this technique is implemented on some more signals such as EEG signals and also the number of signals considered for the process to improve the accuracy.

A Project Report on

"HAND GESTURE RECOGNITION USING CNN"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

COMPUTER SCIENCE AND ENGINEERING

By

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(Accredited by NBA & NAAC)
New Boyanapalli, Rajampet, Kadapa (Dist), A.P – 516 126.

2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET
(An Autonomous Institution)

Title of the Course COMPREHENSIVE PROJECT WORK
Category PROJECT
Course Code 9P1A045

Year II MBA
Semester IV Semester
Branch MBA

Lecture Hours	Tutorial Hours	Practice Hours	Credits
0	0	0	6

Course Objectives:

- To make the students familiar to apply the knowledge gained from the theoretical subjects in the entire course.

Students are required to take up a project work, in which the student can choose any specific problem of industry or industry-based project work. Alternatively, it can be secondary source based or field-based project work. Before the commencement of the project work, each student is required to submit a synopsis indicating the objectives, methodology and frame work for analysis. The project should have an internal faculty has guide. The student can initiate the project work in the penultimate semester of the course

Course Outcomes:

At the end of the course, the student will be able to	Blooms Level of Learning
apply the various concepts in real time scenarios	L3

CO-PO Mapping:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
9P1A45	3	2	2	2	3	3	2	2

PROGRAM OUTCOMES:

1. **Management Knowledge:** Apply knowledge of Management Theories and Practices to solve Business Problems.
2. **Critical Thinking:** Foster Analytical and Critical thinking abilities for Data – based decision making.
3. **Value Based Leadership:**Ability to develop value-based Leadership.
4. **Communication and Ethics:** Ability to understand, analyse and communicate global, economic, legal, and ethical aspects of business.
5. **Multidisciplinary Environment:** Ability to lead themselves and others in the achievement of organisational goals, contributing effectively to a team environment.
6. **Entrepreneurship:** Ability to evaluate best entrepreneurial opportunities and manage start-ups in the present Business world.
7. **Social Responsiveness:** Apply ethical principles and understand the impact of the Professional management solutions in societal and environmental contexts.
8. **Life Long Learning:** Ability to engage in independent and life long learning in the context of managing unpredictable Societal and Global issues.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2021-22		
H.T.NO.	**Name of the Student**	**Project Title**
20701E0001	ARUNA PRIYA BHAVANASI	A STUDY ON FINANCIAL STATEMENT ANALYSIS AT AMAR RAJA BATTERIES TIRUPATI
20701E0002	BABY CHANDANA VANGALA	A STUDY ON CAPITAL BUDGETING IN APMDC LTD MANGAAMPETA
20701E0003	BHAYANNA MUCHUKOTA	A STUDY ON CAPITAL STRUCTURE IN BHARATHI CEMENT CORPORATION LTD
20701E0005	GNANESWARI GADIRAJU	A STUDY ON WORKING CAPITAL MANAAGEMENT IN CYBER AUTO PARTS LIMITED AT TIRUPATI
20701E0006	HARSHAVARDHAN THUMMALA	A STUDY ON FUNDS FLOW STSTEMENT IN COCA-COLA BEVARAGES LIMITED
20701E0007	JANARDHANA BUDDA	A STUDY ON CAPITAL BUDGETING IN HERITAGE FOODS INDIA LIMITED
20701E0008	KALYAN KUMAR GURRAM	A STUDY ON CUSTOMER SATISFACTION IN SRI GAYATHRI ENTERPRISES PRODDUTUR
20701E0010	LAKSHMI PRASANNA MAMUNDURI	A STUDY ON FINANCIAL STATEMENT ANALYSIS WITH REFERENCE TO APMDC LIMITED MANGAMPETA
20701E0011	LAKSHMIDEVI KOTA	A STUDY ON INVENTORY MANAGEMENT WITH REFERENCE TO APMDC LIMITED MANGAMPETA
20701E0012	LAVANYA NAGINENI	A STUDY ON CAPITAL BUDGETING IN DODLA DAIRY LIMITED
20701E0013	LEELA MADHAVI GUDURU	A STUDY ON WORKING CAPITAL MANAGEMENT IN APMDC LIMITED MANGAMPETA
20701E0014	LIKHITHA EDAMAKANTI	A STUDY ON FINANCIAL PERFORMANCE IN HERITAGE FOOD INDIA LIMITED
20701E0016	MAHESH BABU BUPANABOINA	A STUDY ON RATIO ANALYSIS IN DORA PLASTIC PVT LTD
20701E0017	MASTAN BASHA DUDEKULA	A STUDY ON EVALUATION OF FINANCIAL PERFORMANCE HINDUSTAN COCA COLA LTD
20701E0018	MOUNIKA POTHIREDDY	A STUDY ON FUNDS FLOW ANALYSIS IN LINERS INDIA LIMITED VIJAYAWADA
20701E0019	NARAYANA REDDY VADDI REDDY	A STUDY ON INVENTORY MANAGEMENT IN HERITAGE FOODS INDIA LIMITED
20701E0020	NAVEEN YEKKALURU	A STUDY ON RATION ANALYSIS IN HERITAGE FOODS INDIA LIMITED
20701E0021	NEERAJA CHITTE	A STUDY ON FINANCIAL PERFORMACE IN PENNA CEMENTS LIMITED TADIPATRI
20701E0022	PENCHALAIAH GOGADA	A STUDY ON CASH MANAGEMENT IN SRI KALAHASTHI PIPES LIMITED
20701E0023	REDDAIH VANAM	A STUDY ON WORKING CAPITAL MANAGEMENT IN DODLA DAIRY LIMITED
20701E0024	REDDI PAVANI BANDARU	A STUDY ON CAPITAL BUDGETING IN AMARA RAJA BATTERIES LIMITED RENIGUNTA
20701E0025	REDDYSEKHAR TAMMISETTY	A STUDY ON LIQUIDITY AND PROFITABILITY IN DODLA DAIRY LIMITED
20701E0026	RUPAKALA RACHUMALLA	A STUDY ON WORKING CAPITAL MANAGEMENT IN ZUARI CEMENTS LIMITD AT YERRAGUNTLA

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

20701E0027	SANDEEP REDDY KARIMIREDDY	A STUDY ON FUNDS FLOW ANALYSIS IN ZUARI CEMENTS LIMITD AT YERRAGUNTLA
20701E0028	SHAHIDA SHAIK	A STUDY ON FIXED ASSETS IN ZUARI CEMENTS LIMITD AT YERRAGUNTLA
20701E0029	SHAMEER BASHA PATAN	A STUDY ON INVENTORY MANAGEMENT IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0030	SILPA CHINTHALAPALLI	A STUDY ON WORKING CAPITAL MANAGEMENT IN AMARA RAJA BATTERIES LTD RENIGUNTA
20701E0031	SIREESHA NALLAGUNDLA	A STUDY ON CAPITAL STRUCTURE IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0032	SIVA KRISHNA BOGA	IMPACT OF MICRO CREDIT ON WOMAN EMPOWERMENT WITH SPECIAL REFERENCE TO APGB BOYANAPALLI
20701E0033	SRAVANI KOVURU	A STUDY ON INVENTORY MANAGEMENT IN AMARA RAJA BATTERIES LTD RENIGUNTA
20701E0034	SRAVANI POTHAPI	A STUDY ON RATIO ANALYSIS IN GRIND WELL PVT LTD
20701E0036	SUJATHA MUKKAMALLA	A STUDY ON CAPITAL STRUCTURE IN ULTRATECH CEMENTS CORPORATION LIMITED TADIPATRI
20701E0037	SUPRAJA RANGALA	A STUDY ON FUNDS FLOW STATEMENT WITH REFERENCE TO ULTRATECH CEMENTS LTD TADIPATRI
20701E0039	VAISHNAVI PAPPIREDDY	A STUDY ON WORKING CAPITAL MANAGEMENT ANANTHA PVC PIPES PVT LTD ANANTHAPURAM
20701E0040	VASUNDHARA KOVURU	A STUDY ON CAPITAL STRUCTURE IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0041	VENKATA SARASWATHI GALI	A STUDY ON FUNDS FLOW ANALYSIS IN LINERS INDIA LIMITED
20701E0042	VIJAYAMMA MADAPURI	A STUDY ON RATIO ANALYSIS IN BHARATHI CEMENTS CORPORATION LIMITED KAMALAPURAM
20701E0043	VISHNU VARDHAN GUNISETTY	A STUDY ON HINDUSTAN COCA COLA BEVERAGES PVT LTD SRIKALAHASTHI

Head of the Department
Master of Business Administration
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New Boyanapalli, Rajampet - 516 126

A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO BHARATHI CEMENT CORPORATION PVT LIMITED ,KAMALAPURAM

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirement for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted By

MUCHUKOTA BHAYANNA

(Roll No:20701E0003)

Under the Guidance of

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Assistant Professor

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BONAFIDE CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO BHARATHI CEMENT CORPORATION PVT LIMITED, KAMALAPURAM"** is the Bonafide work carried out by **MUCHUKOTA BHAYANNA**, Regd. No: **20701E0003,** is submitted in the partial fulfillment of the requirements for the award of degree of MASTER OF BUSINESS ADMINISTRATION during the year 2020-2022.

Project Guide 12/9/22

Head of the Department

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External Examiner

14/9/22

1.1 INTRODUCTION

CAPITAL SRTUCTURE

Every organization requires funds to run and maintain its business the required funds may be raised from short term sources or long term sources or a combination both the sources of funds, so as to equip it self with an appropriate combination of fixed assets and current assets. Current assets to a considerable extent are financed with the help of short term sources. Normally, firms are expected to follow a prudent financial policy, as revealed in the maintenance of net current assets. These net positive current assets must be financed by long term sources. Hence long term sources of funds are required to finance for both.

- Long term assets (fixed assets)
- Net working capital (Positive Current assets).

A firm can easily estimate the required funds by a detailed study of the investment decision. In other words, anticipation of the require funds may be estimated analyzing the investments decision. Once anticipation of require funds is completed then the next step is financial for the manager to make decisions related to the finance or the selected investment decisions. Generally capital is raised from the prime source are

- Equity
- Debt

Then the questions are what should be the proportion of equity and debt in the capital structure of a company.

As the objective of a firm should be directed towards the maximization of the valve of the firm, the capital structure decision should be examined from the point of its impact on the firm. If the valve of the firm can be affected by capital structure, a firm would like to have a capital structure, which maximizes the market valve of the firm. There exist conflicting theories on the relationship between capital structure and the valve of the firm.

Capital structure decisions are significant finance of the corporate firm in that they influence the return as the risk of equity shareholders.

5.3 CONCLUSIONS

The following conclusions are arrived at based on the observations made on the present study:-

- Except of the first year of the study of period, funds were utilized for financing the capital structure requirements.

This various Ratio like debt equity ratio, proprietary ratio, earning per share, indicating that the over all financial position of the Bharathi Cement Ltd is not satisfactory. However there is scope for improving and in the area of cash management and capital structure management.

A

STUDY ON

IMPACT OF MICROCREDIT ON WOMEN EMPOWERMENT

With Reference to

ANDHRAPRAGATHI GRAMEENA BANK, KADAPA.

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

Submitted In partial fulfilment of the

Requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

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Under the Guidance of

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This is to certify that the project work entitled **"IMPACT OF MICROCREDIT ON WOMEN EMPOWEMENT** with reference to **ANDHRAPRAGATHI GRAMEENA BANK, KADAPA."** is submitted by **B. SIVA KRISHNA (20701E0032)** is a bonafide student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET** for the award of **Master of Business Administration,** is a record of independent project work undertaken by him, under my supervision and guidance.

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Associate Professor

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Mrs.V. VEDAVATHI

Assistant Professor

External Examiner

CHAPTER-1

INTRODUCTION

1.1BACKGROUND OF STUDY:

Micro finance means providing very poor families with very small loans (micro - credit) to help them engage in productive activities /small businesses. Micro Finance can contribute to the financial inclusion of the poor without which it will be difficult for them to come out of the vicious cycle of poverty. To strengthen all the available channels of providing credit to the poor such as SHG- Bank Linkage programmes, Micro Finance Institutions, Cooperative Banks, State financial corporations, Regional Rural Banks and Primary Agricultural Credit Societies. The strength of the micro finance industry lies in its informality and extremely it is required flexibility which should be protected and encouraged.

Microfinance is defined as any activity the provision of financial services such as credit, savings, and insurance and poor individuals which fall below that poverty line, with the goal of creating social value. The creation of social value includes poverty to lighten and the broader impact of improving livelihood opportunities through the provision of capital for micro enterprise, and insurance and savings the founding of the Grameen Bank in Bangladesh, actors access to financial which consist of two individuals at low income which fall just above the poverty line defined by nationally for risk Mitigation and consumption smoothing. Using a range of microfinance delivery methods in India, a vast variety of actors provide microfinance. From many different have tried hard to provide services to the poor in creative ways.

Microcredit is a broad name for the programmes that extend small loans to very poor people for self-employment projects that generate income, allowing them to care for themselves and their families. - *Microcredit Summit*

The word "microcredit" became a tool for development only after 1980. Now it has become a buzz-word among the development practitioners. Today it is common to see

5.3 Conclusion:

Microcredit largely facilitates the poor's access to institutions credit in terms of both economic and no-economic aspects. It impacts poverty alleviation, women empowerment and promotion of gender equality.in this regard banks and financial institutions need to concentrate on building trust, confidence and respect to words the customers to maintain harmonious relationship between banks and customers.

"A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO GRIND WELL NORTON PVT.LTD",TIRUPATHI

PROJECT REPORT

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfilment of the requirement for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

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CHAPTER - 1

1.INTRODUCTION

RATIO ANALYSIS

Ratio analysis is the process of identifying the financial strengths and weaknesses of the firm by properly establishing relationships between the items of the balance sheet and the profit and loss account. Financial analysis can be undertaken by management of the firm, or by parties outside the firm, viz. Owners, creditors, investors and others. The nature of analysis will differ depending on the purpose of the analyst.

Trade Creditors

Trade creditors are interested in firm's ability to meet their claims over a very short period of time. Their analysis will, therefore, confine to the evaluation of the firm's liquidity position

Suppliers of Long-Term Debt

On the other hand, suppliers of long-term debt are concerned with the firm's long-term solvency and survival. They analyse the firm's profitability over time, its ability to generate cash to be able to pay interest and repay principal and the relationship between various sources of funds (Capital structure relationship). Long-term creditors do analyse the historical financial statements, but they place more emphasis on the firm's projected, or proforma, financial statements to make analysis about its future solvency and profitability.

Investors

Investors, who have invested their money in the firm's shares, are most concerned about the firm's earnings. They restore more confidence in those firms that show steady growth in earnings. As such, they concentrate on the analysis of the firm's present and

5.3 CONCLUSION

The study aimd to analyse the performance of the company the gross profit and net profit are fluctuating during the study period by keep observation of the entire study period .i hereby declare that profitability position of the company is satisfactory ,because of management sales is good it is generating profits and the company has to focus on controlling expenses and increasing sales . the overall peroframace of the company is satisfactory

A STUDY ON

FINANCIAL PERFOMANCE

With Reference to

BARATHI CEMENT CORPORATION PVT LTD, KAMALAPURAM

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

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Submitted By

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CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON FINANCIAL PERFOMANSE** with reference to **BHARATHI CEMENT CORPORATION PVT LTD, YERRAGUNTLA"** is submitted by **M. VIJAYAMMA (20701E0042)** is a bonafide student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET** for the award of **Master of Business Administration**, is a record of independent project work undertaken by him, under

CHAPTER-1

1.1 INTRODUCTION

RATIO ANALYSIS:

Financial analysis is the process of identifying the financial strengths and weaknesses firm by properly establishing relationship between the items of the Balance sheet and the profit and loss account. Financial analysis can be undertaken by the management of the firm or by parties outside the firm, viz owners, creditors, investors and others. The nature of analysis will differ depending on the purpose of the analyst.

Trade creditors are interested in firms ability to meet their claims over a very short period of time. Their analysis will therefore, confirm to the evaluation of the firm's liquidity position.

Suppliers of long term debt, on the other hand, are concerned with the firms long term solvency and survival. They analyze the firms profitability over time, its ability to generate cash to be able to pay interest and repay principal and the relationship between various source of funds (capital structure relationship) long term creditors do analyze the historical financial statement to make analysis about its future solvency and profitability. Investors, who have invested their money in the firm's share, are most concerned about the firms' earnings. They restore more confidence in those firms that show steady growth in earnings. As such, they analysis of the firms present and future profitability. They are interested in the firms financial structure to the extent it influence the firms earnings, ability and risk.

Management of the firms would be interested in every aspect of the financial analysis. It is theirs overall responsibility to see that the resources of the firms are used most effectively and efficiency and that the firms financial condition is sound.

SCOPE AND EVOLUTION OF FINANCIAL MANAGEMENT:

Nearly two decades ago the scope of the financial management was to the raising of funds whenever needed and significance used to be attached to the day –to-day financial decision -making and problem solving. Until about the middle of the century, the financial management is generally defined only matter pertaining to the right side of the Balance sheet.

5.3 CONCLUSION

After evaluating and analyzing the liquidity,leverage,profitability,turnover ratios of Bharati Cement Ltd.The following conclusion is draw.

Liquidity position of the company was revealed by the current ratio during the study period was crossed by the ideal ratio,so that Bharati Cement Ltd,is liquidity position in future also,the position of the debt the capitalization of the firm is always low.So ,it is unfavourable to shareholders and creditors.

A STUDY ON

WORKING CAPITAL MANAGEMENT

With reference to HINDUSTHAN COCO-COLA BEVERAGES PVT.LTD.,

SRIKALAHASTHI

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirement for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted By

G. VISHNU VARDHAN

(Roll.No:20701E0043)

Under the Guidance of

Mr. Smd. AZASH, MHRMLLM

Assistant Professor

MASTER OF BUSINESS ADMINISTRATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY &SCIENCES

(AUTONOM0US)

New BoyanapalliRajampet

KADAPA – 516216

(2020 – 2022)

CHAPTER - 1

1.1 INTRODUCTION

Working capital

Finance is the process of commission of accumulated funds to productive use. Finance helps to direct flow of economic activity and facilitates its smooth operation. Finance is the agent that produces these results.

There are many definitions of finance of all the best was of Howard and on. "That administrative area of set of administrative area of organization which have to do with management of the flow of cash so that the organization will have the means to carry out as objectives to satisfactory as possible and at the same time meet its obligations as they become due".

Finance is concerned with the task of providing funds to the enterprises on the term that is most favorable towards the attainment of the organizational goal's objects. The function of finance is not merely furnishing funds to the organization. Finance has a broader meaning and it covers financial planning, forecasting of cash receipts and disbursements, rising of funds, use and allocation of funds and financial control. The area of operation of finance manager is vague

5.3 CONCLUSION

The overall performance of the company will depend upon the performance from liquidity, solvency and turnover .Therefore, it is concluded that the Company's working capital position is good .The company has to evaluate the appropriate strategy in all such directions, which will certainly drive the company to the new heights.

A

PROJECT REPORTON
TRACK AND GO

Submitted in partial fulfilment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

B.ASWINI
(Regd.No:19701F0001)

Under the Guidance of
P.KAVITHA
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as 'A' Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapuramu)

2019-2022

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TCOAP · CII Confederation of Indian Industry · NASSCOM · Skill India

CIN : U72200AP2013PTC089436

03rd Jan 2022,

Tirupati.

To

The Principal

Annamacharya Institute of Technology & Sciences (Autonomous),

Rajampet, Kadapa District, Andhra Pradesh.

Sub: Conformation Letter

Respected Sir/Madam,

This is to certify that, **Ms.Bandi Aswini (Reg. No: 19701F0001)** student of CA Third Year 6th Sem of **"Annamacharya Institute of Technology & Sciences utonomous), Rajampet"**, student seeking permission to do project work under our idance and supervision. We are giving permission to give the project training ecialized in **"Track and Go".**

She needs to work on her project approximately for a period from January 22 to April 2022. She stay with organization is purely temporary, and this letter is ues on her request.

urs sincerely,

thorized signature

ung Minds Technology Sol Pvt Ltd.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

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CIN : U72200AP2013PTC089436

ABSTRACT

In view of the developing number of uses in movement, military, and different fields, area forecast is acquiring ubiquity. This venture intends to foster a web application that fosters a forecast model that predicts a client's objective in view of their ongoing area, date, and time. To bunch similar places and save the information, we utilize K-Means grouping. A Random Forest Classifier utilizes the information to gauge the objective. The Track Go application permits clients to prepare of time by offering a course to their objective and close by conveniences, as well as courses to these locales utilizing Google Maps.

CONCLUSION:

The undertaking is an application, and the occasion gave a stage to the school's understudies to contend at their best in track occasions, for example, run races and obstacles. They effectively created AI models to anticipate objective. This is based on the Danton Framework. There are a couple of lap tracks. Determinations: Directions: There is an end in the accompanying inquiry. I. Political freedom and a majority rules government are inseparably connected.

A

PROJECT REPORT ON

MUTLI CLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION USING MACHINE LEARNING

Submitted in partial fulfilment of the

Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

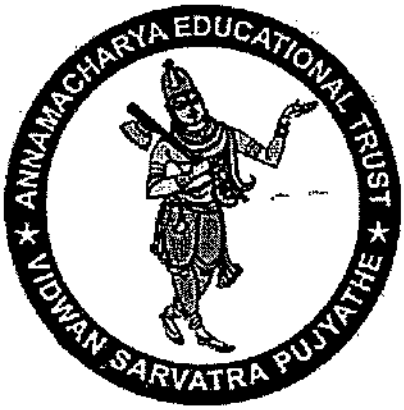
K. Harish Kumar

(Regd.No:19701F0003)

Under the Guidance of

V. Sathyendra Kumar

Assistant Professor



DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as A Grade by NAAC, Bangalore)

(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapuramu)

2019-2022

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CIN : U72200AP2013PTC089436

03 January2022,

Tirupati.

To

The Principal

Annamacharya Institute of Technology & Sciences (Autonomous),

Rajampet, Kadapa District, Andhra Pradesh.

Sub: Conformation Letter

Respected Sir/Madam,

This is to certify that, **Mr. KAREDLA HARISH KUMAR (Reg. No: 19701F0003)** student of **MCA** Third Year 6th Sem of **"Annamacharya Institute of Technology & Sciences(Autonomous), Rajampet",** student seeking permission to do project work under our guidance and supervision. We are giving permission to give the project training specialized in **"MULTI CLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION USING MACHINE LEARNING ".**

He needs to work on her project approximately for a period from January2022 to April 2022. He stay with organization is purely temporary, and this letter is issues on his request.

Yours sincerely,

Authorized signature

Young Minds Technology Sol Pvt Ltd.

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

Call @ **0877-2261612 | 9966062884**
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www.ymtsindia.com

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

Affiliate to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"MULTI CLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION USING MACHINE LEARNING"** is the bonafide work carried out by Mr. **K. Harish Kumar** Regd.No.**19701F0003** is submitted in the partial fulfilment of the requirements for the award of Degree of Master of Computer Applications during the year 2019-2022

Project Guide 26/5/22

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner 7/6/22

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CIN : U72200AP2013PTC089436

PROJECT COMPLETION CERTIFICATE

To
The Principal,
Annamacharya Institute of Technology & Sciences.
New Boyanapalli,
Rajampeta,
Kadapa.

Dear Sir/Madam,

Sub: Project Completion Letter-Reg

This is to certify that the **Mr. KAREDLA HARISH KUMAR** (19701F0003) have done project in Young Minds Technologies Solutions PVT Ltd, Tirupati. The project "**MULTI CLASS PREDICTION MODEL FOR STUDENT GRADE PREDICTION USING MACHINE LEARNING**" is bonafide work done by the student in partial fulfillment of the academic requirements **Jan 2022** to **Apr 2022** for award of "**MCA** from **Annamachaya Institute of Technology and Science, Rajampet**".

We wish you all the best for your future endeavors.

For Young Minds Technology Solutions Pvt, Ltd.

YOUNGMINDS TECHNOLOGY SOLUTIONS PVT. LTD.

Authorized signature

ABSTRACT

One of the most challenging tasks in the education sector in India is to predict student's academic performance due to a huge volume of student data. In the Indian context, they don't have any existing system by which analysing and monitoring can be done to check the progress and performance of the student mostly in Higher education system. Every institution has their own criteria for analysing the performance of the students. The reason for this happing is due to the lack of study on existing prediction techniques and hence to find the best prediction methodology for predicting the student academics progress and performance. Another important reason is the lack in investigating the suitable factors which affect the academic performance and achievement of the student in particular course. I proposed a multiclass prediction model to reduce the over fitting and misclassification results caused by imbalanced multi-classification based on oversampling Synthetic Minority Oversampling Technique (SMOTE) with features selection methods. This proposed model indicates the comparable and promising results that can enhance the prediction performance model for imbalanced multi-classification for student grade prediction.

CONCLUSION

Predicting student grades is one of the key performance indicators that can help educators monitor their academic performance. Therefore, it is important to have a predictive model that can reduce the level of uncertainty in the outcome for an imbalanced dataset. This project proposes a multiclass prediction model with six predictive models to predict final student's grades based on the previous student final examination result of the first-semester course. Specifically, it have done a comparative analysis of combining oversampling SMOTE with different FS methods to evaluate the performance accuracy of student grade prediction. In this project also have shown that the explored oversampling SMOTE is overall improved consistently than using FS alone with all predictive models. However, proposed multiclass prediction model performed more effectively than using oversampling SMOTE and FS alone with some parameter settings that can influence the performance accuracy of all predictive models. Here, findings contribute to be a practical approach for addressing the imbalanced multi-classification based on the data-level solution for student grade prediction.

A

PROJECT REPORTON

ATTRIBUTE BASED CLOUD DATA INTEGRITY AUDITING FOR SECURE OUTSOURCED STORAGE

Submitted in partial fulfilment of the

Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

U. LAKSHMI DEVI

(Regd.No:19701F0004)

Under the Guidance of

Mr C. SASIDHAR

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as 'A' Grade by NAAC, Bangalore)

(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapuram)

2019-2022

***

KUBE
Corporate Training & Consultancy Services Pvt. Ltd.

CONFIRMATION LETTER

03 Jan 2022

To
The Principal,
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, RAJAMPET,
516126.

Respected Sir/Madam,

You are most Welcome to our Organization in Terms of Your Final Semester Project Moreover We Understand Your Request and Accepted.

We Wish You all the Best and We provide Reqired Suppourt to Compllete Your Project Work

PROJECT TITLE : ATTRIBUTE BASED CLOUD DATA INTEGRITY AUDITING FOR SECURED OUTSOURCED STORAGE.

DOMAIN: CLOUD COMPUTING
LANGUAGE: JAVA

U.LAKSHMI DEVI (19701F0004)

Thanks&Regards
K.ROHITH KUMAR
KUBE TECHNOLOGIES

FOR KUBE TECHNOLOGIES
K.Rohith
MANAGING DIRECTOR

42/607,UPSTAIRS OF MUTHOOT FINANCE 2ND FLOOR ,NEAR APSARA THEATER,KADAPA,516002
Email: KUBEPROJECTS@GMAIL.COM
CONTACT:+919966449388:+917989348943.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

Affiliate to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"ATTRIBUTE BASED CLOUD DATA INTEGRITY AUDITING FOR SECURED OUTSOURCED STORAGE"** is the bonafied work carried out by Ms. **U. Lakshmi Devi** Regd.No.**19701F0004** is submitted in the partial fulfilment of the requirements for the award of Degree of Master of Computer Applications during the year 2019-2022

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 12

Internal Examiner

External Examiner 7/6/22

KUBE
Corporate Training & Consultancy Services Pvt. Ltd.

COMPLETION LETTER

To
The Principal,
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND
SCIENCES, RAJAMPET,
516126.

Respected Sir/Madam,

We are providing a completion letter of project work to Ms.U.LAKSHMI DEVI(19701F0004) is Student of MCA for completing Real time corporate Environment work for period from Jan 2022 to April 2022.

PROJECT TITLE : ATTRIBUTE BASED CLOUD DATA INTEGRITY AUDITING FOR SECURED OUTSOURCED STORAGE.

DOMAIN: CLOUD COMPUTING
LANGUAGE: JAVA

U.LAKSHMI DEVI (19701F0004)

Thanks&Regards
K.ROHITH KUMAR
KUBE TECHNOLOGIES

KUBE TECHNOLOGIES
42/604-7, 2rd Floor,
Near Apsara Theatre,
Jayanagar Colony, KADAPA.

42/607,UPSTAIRS OF MUTHOOT FINANCE 2ND FLOOR ,NEAR APSARA THEATER,KADAPA,516002
Email: KUBEPROJECTS@GMAIL.COM
CONTACT:+919966449388:+917989348943.

ABSTRACT

Outsourced storage such as cloud storage can significantly reduce the burden of data management of data owners.Despite of a long list of merits of cloud storage, it triggers many security risks at the same time. Data integrity, one of the most burning challenges in secure cloud storage, is a fundamental and pivotal element in outsourcing services.Outsourced data auditing protocols enable a verifier to efficiently check the integrity of the outsourced files without downloading the entire file from the cloud, which can dramatically reduce the communication overhead between the cloud server and the verifier. Existing protocols are mostly based onpublic key infrastructure or an exact identity, which lacks flexibility of key management. In this paper, we seek to address the complex key management challenge in cloud data integrity checking by introducing attribute-based cloud data auditing, where users can upload files to cloud through some customized attribute set and specify some designated auditor set to check the integrity of the outsourced data. We formalize the system model and the security model for this new primitive, and describe a concrete construction of attribute-based cloud data integrity auditing protocol. The new protocol offers desirable properties namely attribute privacy-preserving and collusion-resistance. We prove soundness of our protocol based on the computational Diffie-Hellman assumption and the discrete logarithm assumption. Finally, we develop a prototype of the protocol which demonstrates the practicality of the protocol.

CONCLUSION:

This introduced two new developments of Ciphertext Policy Attribute Based Encryption for the AND-Gate with trump card access strategy. Our most memorable plan accomplishes steady ciphertext size, yet can't conceal the entrance strategy. Then again, our subsequent plan might actually conceal the entrance strategy against the authentic decryptors. The demonstrated that our subsequent development is secure under the Decisional Bilinear Diffie-Hellman and the Decision Linear suspicions. One deficiency of our subsequent development is that its ciphertext size is as of now not steady, at that point, demonstrating this development in completely secure.

A

PROJECT REPORT ON

CYBER SECURITY AND ARTIFICIAL INTELLIGENCE FOR CLOUD-BASED INTERNET OF TRANSPORTATION SYSTEM

Submitted in partial fulfilment of the
Requirements for the award of the degree of
MASTER OF COMPUTER APPLICATIONS

By

S. Prasanthi
(Regd.No:19701F0011)

Under the Guidance of
Mrs. P. SWATHI
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as A Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A,, Anantapuram)

2019-2022

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CIN : U72200AP2013PTC089436

3rd Jan 2022

Tirupati

To

The Principal

Annamacharya Institute of Technology & Sciences (Autonomous),

Rajampet, Kadapa District, Andhra Pradesh.

Sub: Conformation Letter

Respected Sir/Madam,

This is to certify that, **Mrs.Sangati prasanthi(Reg. No: 19701F0011)** student of **MCA** Third Year 6th Sem of **"Annamacharya Institute of Technology & Sciences(Autonomous), Rajampet,** student seeking permission to do project work under our guidance and supervision. We are giving permission to give the project training specialized in **"Cyber Security and Artificial Intelligence for Cloud-based Internet of Transportation Systems".**

He needs to work on his project approximately for a period from Demcember 2020 to April 2021. He stay with organization is purely temporary, and this letter is issues on his request.

Authorized signature

Young Minds Technology Sol Pvt Ltd.

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

Affiliate to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"CYBER SECURITY AND ARTIFICIAL INTELLIGENCE FOR CLOUD-BASED INTERNET OF TRANSPORTATION SYSTEM"** is the bonafied work carried out by **Ms. S. Prasanthi** Regd No **19701F0011** is

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CIN : U72200AP2013PTC089436

PROJECT COMPLETION LETTER

The Principal,

Annamacharya Institute of Technology & Sciences,

New Boyanapalli,

Rajampet,

Kadapa.

Dear Sir/Madam,

Sub: Project Completion Letter-Reg

This is to certify that the Ms. SANGATI PRASANTHI (Reg.No:19701F0011) have done project in Young Minds Technologies Solutions PVT Ltd, Tirupati. The project "**Cyber Security and Artificial Intelligence for Cloud-based Internet of Transportation System**"is bonafide work done by the student in partial fulfillment of the academic requirements Jan 2022 to Apr 2022 for award of "MCA from Annamacharya Institute of Technology and Sciences, Rajampet".

We wish you all the best for your future endeavors.

YOUNGMINDS TECHNOLOGY SOLUTIONS PVT. LTD.

Authorized signature

For Young Minds Technology Solutions Pvt.Ltd.

ABSTRACT

The Internet of Things (IoT) has significant ramifications in the transportation business. Independent Vehicles (AVs) target further developing everyday exercises, for example, conveying bundles, further developing traffic, and the transportations of products. AVs are not restricted to ground vehicles yet additionally incorporate elevated and ocean vehicles with a wide scope of uses. To conquer this issue we are executing Cyber Security (CS) based information move to Autonomous vehicle. Here a cloud is the middle person that which moves source documents to independent vehicle with greater security we are utilizing CS based calculation (Advanced Encryption Standard) which is utilized to conceal the moved information into figure text. The code message can be decoded by the private key produced by shipper to the specific AV.

Keywords Network safety, Cipher text, AES, Private key, AV.

CONCLUSION

Here executed Cyber Security (CS) based information move to Autonomous vehicle framework. Cloud is utilized has middle person to moves records from shipper to independent vehicle with greater security utilizing CS based calculation (Advanced Encryption Standard) for changing over information into figure text. The code message is decoded by the private key created by shipper to the specific AV.

A

PROJECT REPORTON

SPEAKER RECOGNITION WITH THE HELP OF NEURAL NETWORKS

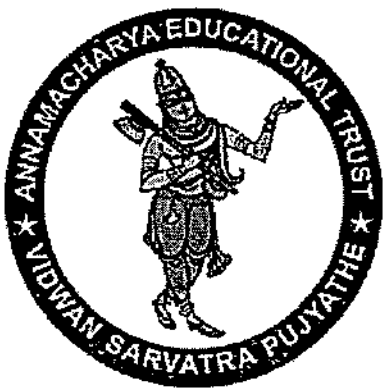
Submitted in partial fulfilment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

K. Vishnu Vardhan Reddy
(Regd.No:19701F0026)

Under the Guidance of
V. Sathyendra Kumar
Assistant Professor



DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as 'A' Grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapuramu)

2019-2022

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CIN : U72200AP2013PTC089436

03 January2022,

Tirupati.

To

The Principal

Annamacharya Institute of Technology & Sciences (Autonomous),

Rajampet, Kadapa District, Andhra Pradesh.

Sub: Conformation Letter

Respected Sir/Madam,

This is to certify that, **Mr. KANDUKURI VISHNU VARDHAN REDDY(Reg. No: 19701F0026)** student of **MCA** Third Year 6th Sem of **"Annamacharya Institute of Technology & Sciences(Autonomous), Rajampet",** student seeking permission to do project work under our guidance and supervision. We are giving permission to give the project training specialized in **"SPEAKER RECOGNITION WITH THE HELP OF NEURAL NETWORKS ".**

He needs to work on her project approximately for a period from January2022 to April 2022. he stay with organization is purely temporary, and this letter is issues on his request.

Yours sincerely,

Authorized signature

Young Minds Technology Sol Pvt Ltd.

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

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(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"SPEAKER RECOGNITION WITH THE HELP OF NEURAL NETWORKS"** is the bonafied work carried out by Mr. **K.Vishnu Vardhan Reddy** Regd.No.**19701F0026** is submitted in the partial fulfilment of the requirements for the award of Degree of Master of Computer Applications during the year 2019-2022

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner

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An initiative by takeoff group

CIN : U72200AP2013PTC089436

PROJECT Completion Letter

To

The Principal,

Annamacharya Institute of Technology & Sciences,

New Boyanapalli,

Rajampeta,

Kadapa.

Dear Sir/Madam,

Sub: Project Completion Letter-Reg

This is to certify that the Mr. K. VISHNU VARDHAN REDDY (19701F0026) have done project in Yound Minds Technologies Solutions PVT Ltd, Tirupati. The project "SPEAKER RECOGNITION WITH THE HELP OF NEURAL NETWORKS" is bonafide work done by the student in partial fulfillment of the academic requriments Jan 2022 to Apr 2022 for award of "MCA from Annamachaya Institute of Technology and Science, Rajampet".

We wish you all the best for your future endeavors.

Authorized signature

For Young Minds Technology Solutions Pvt.Ltd.

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

Call @ **0877-2261612 | 9966062884**
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ABSTRACT

Speaker recognition is a task of identifying persons from their voices. Recently, deep learning has dramatically revolutionized speaker recognition. However, there is lack of comprehensive reviews on the exciting progress. In this document, everybody review several major task of speaker recognition, with a focus on deep-learning-based methods. Because the major advantage of deep learning over conventional methods is its representation ability, which is able to produce highly abstract embedding features from utterances, everyone first pay close attention to deep-learning-based speaker feature extraction, which are the fundamental components of many speaker recognition subtasks. Then, I make an overview of speaker identification, with an emphasis of recent supervised, end-to-end. Finally, I classify robust speaker recognised from the perspectives of adaptation and speech.

Conclusion:

I have successfully developed a system which identifies the voice of speakers using neural networks. This is created in a user-friendly environment with Python programming and Flask. The system is likely to gather data from the user to determine that whose audio it is...

The ability to identify numerous forecasting subjects could be added to this application in the future. I intended to investigate prediction approach with the revised data set and employ the most accurate and relevant machine learning algorithms for detection. In this document the animist provide information about various applications of Speaker Recognition Technologies. Automatic speaker recognition applications define which information in the speech signal is relevant, such as the linguistic information will be relevant if the goal is to recognize the sequence of words that the speaker is producing. The presence of irrelevant information like speaker or environment information may degrade the system accuracy.

A

PROJECT REPORT ON

A DISTRIBUTED PRIVACY-PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH

Submitted in partial fulfilment of the Requirements
for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. M. ESWAR PRASAD
(Regd.No: 20701F0012)

Under the Guidance of
Mr. V. SATHYENDRA KUMAR
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as 'A' Grade by NAAC, Bangalore)

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2020-2022

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CIN : U72200AP2013PTC089436

CONFIRMATION LETTER

To

The Principal

Annamacharya Institute of Technology and Sciences

New Boyanapalli,

Rajampet,

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Confirmation -Reg

This is to certify that, **Mr. Marella EswarPrasad** studying MCA bearing the **Reg. No: 20701F0012** from **"Annamacharya Institute of Technology and Sciences"** has been accepted to do his project entitled **"A DISTRIBUTED PRIVACY-PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH"** as an part of their academic Project curriculum in our organization.

The project will be done using **Python** during the **period** from **April 2022 to August 2022** under the guidance and supervision of our developers from **YoungMinds Technology Solutions Pvt. Ltd., Tirupathi.**

We wish him all the best for his future endeavor.

Authorized Signature

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPETA-516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR ANANTAPURAMU

DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"A DISTRIBUTED PRIVACY-PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH"** is the bonafied work carried out by Mr. **M. ESWAR PRASAD,** Regd.No.**20701F0012** is submitted in the partial fulfillment of the requirements for the award of Degree of **Master of Computer Applications** during the year 2020-2022.

17/9/22

Project Guide

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet - 516 126

28/9

Internal Examiner

External Examiner

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CIN : U72200AP2013PTC089436

PROJECT COMPLETION CERTIFICATE

To

The Principal

Annamacharya Institute of Technology and Sciences(Autonomous)

New Boyanapalli,

Rajampet-516126,

Kadapa(D).

Dear Sir/Madam,

Sub: Project Completion Letter- **Reg: 20701F0012**

This is to certify that **M. Eswar Prasad (Reg: 20701F0012)**, have done project in YoungMind Technology Sol Pvt Ltd, Tirupati. The Project **"A Distributed Privacy-Preserving Data Repository with Decentralized Access Control for Smart Health"** is bonafide work done by the student in partial fulfillment of the academic requirements from **April 2022** to **August 2022** for award of "**MCA**" from **"Annamacharya Institute of Technology and Sciences, Rajampet".**

We wish you all the best for future endeavors.

YoungMinds Technology Solutions Pvt. Ltd

Authorized Signatory

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ABSTRACT

Smart health has attracted attention in recent years due to advances in information and communication technologies. On the other data, medical data to support smart health technology However, medical data storage faces serious security and privacy concerns from hacktivists, cloud service providers, and even medical institutions. Propose a new data repository called Derepo that addresses these issues by protecting the repository with homomorphic encryption schemes and protecting privacy with homomorphic encryption schemes. It uses distributed ledger technology and injects trusted features such as Byzantine fault tolerance into the access control mechanism. It also uses a fully homomorphic encryption scheme to maintain privacy and maintain predictability. Derepo's design is user-centric. Only data owners can create access control policies and decrypt data, but authorized third parties can apply data manipulation processes to encrypted data without knowing the original values.

CONCLUSION

To solve the security and privacy issues associated with storing medical data in smart healthcare, Derepo proposed decentralizing access control and encrypting data without losing predictability. These are the two main challenges that arise from competing models. A two-tier architecture is formalized in static structure and dynamic processes. This also preserves manageability, manageability and pseudonyms. Ensure privacy and address privacy issues raised by internal and external organizations. opponents, the FHE scheme was introduced for it prove the security of Derepo with the analysis from the perspective of attackers. it also demonstrate the performance of Derepo by conducting experiments on the prototype. In addition, Derepo is not smart health specific and is capable of supporting more generalized data access, storage and sharing. In future work, it will optimize the implementation and extend the functionality.

A

PROJECT REPORT ON

CREDIT CARD FRAUD DETECTION USING LIGHT GRADIENT BOOSTING ALGORITHM

Submitted in partial fulfilment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

M.GUNASEKHAR
(Regd.No:20701F0014)

Under the Guidance of
Mrs. P. SWATHI
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

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2020-2022

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CONFIRMATION LETTER

To

The Principal,

Annamacharya Institute of Technology and Sciences,

New Boyanapalli,

Rajampet,

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Confirmation-Reg

This is to certify that, **Mr. Marella Gunasekhar** studying **MCA** bearing the **Reg. No: 20701F0014** from **"Annamacharya Institute of Technology and Sciences"** has been accepted to do his project entitled **"Credit Card Fraud Detection Using Light Gradient Boosting Algorithm"** as an part of their academic Project curriculum in our organization.

The project will be done using **Python** during the **period** from **April 2022** to **August 2022** under the guidance and supervision of our developers from **YoungMinds Technology Solutions Pvt. Ltd., Tirupathi.**

We wish him all the best for his future endeavor.

YOUNGMINDS TECHNOLOGY SOLUTIONS PVT. LTD.

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DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"CREDIT CARD FRAUD DETECTION USING LIGHT GRADIENT BOOSTING ALGORITHM"** is the bonafied work carried out by **Mr. M. GUNASEKHAR,** Regd.No.**20701F0014** is submitted in the partial fulfillment of the requirements for the award of Degree of Master of Computer Applications during the year 2020-2022

P. Sreedhar

Project Guide

C. M. K. Reddy

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 126

Satyendra Kumar 28/9

Internal Examiner

External Examiner

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CIN : U72200AP2013PTC089436

PROJECT COMPLETION CERTIFICATE

To

The Principal

Annamacharya Institute of Technology and Sciences (Autonomous)

New Boyanapalli,

Rajampet-516126,

Kadapa (D).

Dear Sir/Madam,

Sub: Project Completion Letter- **Reg: 20701F0014**

This is to certify that **MARELLA GUNASEKHAR (Reg: 20701F0014)**, have done project in YoungMind Technology Sol Pvt Ltd, Tirupati. The Project **"CREDIT CARD FRAUD DETECTION USING LIGHT GRADIENT BOOSTING ALGORITHM"** is bonafide work done by the student in partial fulfillment of the academic requirements from **April 2022** to **August 2022** for award of **MCA** from **"Annamacharya Institute of Technology and Sciences, Rajampet".**

We wish you all the best for future endeavors.

YoungMinds Technology Solutions Pvt. Ltd

Authorized Signatory

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Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

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ABSTRACT

Frauds are increased day by day in the world. Some financial institutions employ data scientists and distinct topic expert teams to help them spot fraudulent activity. Data scientists frequently employ sophisticated statistical models to spot deceit. However, this strategy has a lot of drawbacks. Since fraud detection cannot be done in real-time, it frequently takes place after the fraud has already taken place before fraudulent behaviors are discovered. These methods are prone to mistakes made by humans. Additionally, it calls for the use of data scientists and pricey, highly qualified domain expert teams. Even still, handling massive amounts of data is exceedingly challenging due to the low accuracy of human fraud detection approaches. In order to discover fraudulent activity patterns, it frequently takes time-consuming investigations into the other transactions connected to the crime.

Financial transactions, fraud, patterns, etc. are used as keywords.

CONCLUSION

In this project, successfully developed a method for generating the categorization needed to detect credit card fraud. In order to forecast the needs, the system is likely to gather information from the user. Credit card fraud is without a doubt an act of criminal dishonesty. This project has listed out the most common methods of fraud along with their detection methods and reviewed recent findings in this field. This project has also explained in detail, how machine learning can be applied to get better results in fraud detection along with the algorithm, code, explanation its implementation and experimentation results. While the algorithm does react over 99.6% accuracy, its precision remains only at 28% when a tenth of the data set is taken into consideration.

A

PROJECT REPORT ON

BONE DEFORMITY PREDICTION USING DEEP LEARNING

Submitted in partial fulfilment of the

Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

S. MOHAMMED ZAKEER

(Regd.No:20701F0036)

Under the Guidance of

V. SATHYENDRA KUMAR

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as 'A' Grade by NAAC, Bangalore)

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2020-2022

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STRYDO
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CONFIRMATION LETTER

To

The Principal,

Annamacharya Institute Of Technology And Sciences

New Boyanapalli,

Rajampet,

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Confirmation Letter-Reg.

This is to certify that, **S.MOHAMMAD ZAKEER** studying **MCA** bearing the **Reg.No:20701F0036** from "**Annamacharya Institute Of Technology And Sciences** " ,has been accepted to do project entitled **"BONE DEFORMITY IDENTIFICATION USING MACHINE LEARNING** " as part of their academic project curriculum in our organization.

The project will be done using **PYTHON** during the period from **APRIL 2022**to **AUGUST 2022**under the guidance and supervision of our developers from **STRYDO TECHNOLOGIES PVT.LTD , TIRUPATHI.**

We wish him all the best for his future endeavor.

Strydo Technologies Pvt. Ltd. Tirupathi 517501

Mr.CHAKARAVARTHY

(BRANCH MANAGER)

STRYDO TECHNOLOGIES PVT.LTD.

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Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"BONE DEFORMITY PREDICTION USING DEEP LEARNING"** is the bonafide work carried out by Mr. **S. Mohammed Zakeer** Regd.No.**20701F0036** is submitted in the partial fulfilment of the requirements for the award of Degree of Master of Computer Applications during the year 2020-2022.

27/9/22

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sc
New Boyanapalli, Rajampet - 516 12

Internal Examiner

External Examiner

STRYDO
TECHNOLOGIES PVT. LTD.

PROJECT COMPLETION CERTIFICATE

To

The Principal,

Annamacharya Institute Of Technology And Sciences (Autonomous)

New Boyanapalli,

Rajampet -516126

Kadapa (D),

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Completion Letter- **Reg : 20701F0036**

This is to certify that, **Mr. S.MOHAMMAD ZAKEER (Reg.No: 20701F0036)** have done project in **STRYDO TECHNOLOGIES PVT.LTD, TIRUPATHI.** The project **"BONE DEFORMITY PREDICTION USING DEEP LEARNING"** is bonafide work done by the student in partial fulfillment of the academic requirements from **APRIL 2022** to **AUGUST 2022** for award of **MCA** from **"Annamacharya Institute Of Technology And Sciences, Rajampet".**

We wish you all the best for his future endeavor.

From Strydo Technologies pvt.ltd.

Strydo Technologies P... Tirupathi-517...

AUTHORIZED SIGNATURE

ABSTRACT

In recent years, bone fracture detection and classification has been a widely discussed topic and many researchers have proposed different methods to tackle this problem. Despite this, a global approach able to classify all the fractures in the human body has not yet been defined. The bone is a major component of the human body. Bone provides the ability to move the body. The bone fractures are common in the human body. The doctors use the X-ray image to diagnose the fractured bone. The manual fracture detection technique is time consuming. In recent years, deep learning and, in particular, the convolution neural network (CNN), has achieved great results to tackle this problem. The small fracture in the bone becomes difficult to analyze by the doctor. Therefore, it is a necessity to develop a computer aided diagnosis (CAD) to reduce the time and the error probability for the fracture bone diagnosis.

CONCLUSION

The algorithm proposed here has done on Bone Fracture Detection and Classification. This displays the different existing strategies proposed by various creators. Here comparison made between existing techniques on the basis of classification methods used and the accuracy. There are several image processing techniques for the detection of the bone fracture. Canny Edge Detection method with sobel operator is most commonly used for fracture identification in existing system. The deep learning is very powerful strategy for the classification of type of fracture. The accuracy of the classification of fracture mainly depends on the size of the dataset, quality of the images and number of epochs used for training the model and the method used for classification. The different techniques can be cascaded for higher classification accuracy. There are future scopes of improvements in present techniques as no model guarantee hundred percent accuracy.

A

PROJECT REPORT ON

PREDICTING FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNED CLASSIFIERS

Submitted in partial fulfilment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. U. PAVAN KUMAR
(Regd.No: 20701F0053)

Under the Guidance of
Ms. C. BHARGAVI
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

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(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapur)

2020-2022

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STRYDO
TECHNOLOGIES PVT. LTD.

CONFIRMATION LETTER

To

The Principal,

Annamacharya Institute Of Technology And Sciences

New Boyanapalli,

Rajampet,

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Confirmation Letter-Reg.

This is to certify that, **U.PAVAN KUMAR** studying **MCA** bearing the **Reg.No: 20701F0053** from "**Annamacharya Institute Of Technology And Sciences**", has been accepted to do project entitled **"PREDICTING FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNED CLASSIFIERS"** as part of their academic project curriculum in our organization.

The project will be done using **PYTHON** during the period from **APRIL 2022** to **AUGUST 2022** under the guidance and supervision of our developers from **STRYDO TECHNOLOGIES PVT.LTD , TIRUPATHI.**

We wish him all the best for his future endeavor.

Strydo Technologies Pvt. Ltd. Tirupathi-517 507

Mr.CHAKARAVARTHY

(BRANCH MANAGER)

STRYDO TECHNOLOGIES PVT.LTD.

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Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPUR

DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"PREDICTING FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNED CLSSIFIERS"** is the bonafied work carried out by **Mr. U. PAVAN KUMAR,** Regd.No.**20701F0053** is submitted in the partial fulfilment of the requirements for the award of Degree of **Master of Computer Applications** during the year 2020-2022.

C. Bhargavi 28/9/22

Project Guide

C. Mk Pavan

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 126

C. Bgvi 17/10/22

Internal Examiner

External Examiner

STRYDO
TECHNOLOGIES PVT. LTD.

PROJECT COMPLETION CERTIFICATE

To

The Principal,

Annamacharya Institute Of Technology And Sciences (Autonomous)

New Boyanapalli,

Rajampet -516126

Kadapa (D),

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Completion Letter-**Reg : 20701F0053**

This is to certify that, **Mr. U.PAVAN KUMAR (Reg.No :20701F0053)** have done project in **STRYDO TECHNOLOGIES PVT.LTD, TIRUPATHI.** The project **"PREDICTING FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNED CLASSIFIERS"** is bonafide work done by the student in partial fulfillment of the academic requirements from **APRIL 2022** to **AUGUST 2022** for award of **MCA** from **"Annamacharya Institute Of Technology And Sciences, Rajampet".**

We wish you all the best for his future endeavor.

From Strydo Technologies pvt.ltd.

Strydo Technologies Pvt. Ltd. Tirupathi-5

AUTHORIZED SIGNATURE

ABSTRACT

Machine learning and Feature Selection are playing a vital role in internet and auto mobile sector also. Nowadays, aircrafts have become a necessity because they easy life. They are efficient in carrying goods and passengers around the world. It also supplies emergencies in warfare and takes a vital role in carrying medical necessities. Hence, advent of airplanes is considered important. Delays in aircrafts can affect thousands of people across the globe either directly or indirectly. There are a lot of reasons of delays in aircrafts such as critical weather, security issues, traffic and many more. There are several methods proposed to predict the flight delays but due to various complexities of the ATFM and the huge datasets involved, it has become very difficult to find an accurate solution for this complication. Many algorithms have been implemented to forecast flight delays.

Conclusion

The analysis retrieved are useful not only for passengers point of view, but for every decision maker in the aviation industry. Apart from the financial losses incurred by the industry, flight delay also portray a negative reputation of the airlines, and decreases their reliability. It causes various sustainability issues, The analysis carried here not only predicts delays based on the previous available data, but also give statistical description of airlines, their rankings based on their ontime performance, and delays with respect to time, showing the peak hours of delay. This project can be used as a prototype by any aviation authority for their benefit in the Indian Scenario too, it can work as an efficient model or a proper prototype to study delay analysis, based on the real dataset provided.

A

PROJECT REPORT

ON

CRYPTANALYSIS OF AN ANONYMOUS TRACEABLE GROUP DATA SHARING IN CLOUD COMPUTING

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

MS.C.D. RENUKA
(Regd.No.20701F0060)

Under the Guidance of
MRS. P. SWATHI
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

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(Accredited A-Grade by NAAC, Bangalore)

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2020-2022

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CIN : U72200AP2013PTC089436

CONFIRMATION LETTER

To

The principal

Annamacharya Institute of Technology and Sciences.

New Boyanapalli,

Rajampet,

Andhra Pradesh.

Dear Sir/Madam,

Sub: Project Confirmation letter - Reg

This is to certify that, **C.D. Renuka** studying **MCA** bearing the **Reg. No: 20701F0060** from **"Annamacharya Institute of Technology and sciences"** has been accepted to do her project entitled **"Cryptanalysis of an Anonymous and Traceable Group Data Sharing in Cloud Computing"** as part of their academic Project curriculum in our organization.

The project will be done using **Java** during the **period** from **April 2022** to **August 2022** under the guidance and supervision of our developers from **YoungMinds Technology Solutions Pvt. Ltd., Tirupathi.**

We wish her all the best for her future endeavor.

Authorized Signature

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Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTHAPUR, ANANTAPURAMU

DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled "**CRYPTANALYSIS OF AN ANONYMOUS TRACEABLE GROUP DATA SHARING IN CLOUD COMPUTING**" is the bonafied work carried out by **C.D. RENUKA**, Regd. No:**20701F0060** is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Application during the year **20202022.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner

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PROJECT COMPLETION CERTIFICATE

To

The Principal

Annamacharya Institute of Technology and Sciences (Autonomous)

New Boyanapalli,

Rajampet-516126,

Kadapa (D).

Dear Sir/Madam,

Sub: Project Completion Letter- **Reg: 20701F0060**

This is to certify that **CHINNA DABBARA RENUKA (Reg: 20701F0060)**, have done project in YoungMind Technology Sol Pvt Ltd, Tirupati. The Project **"CRYPTANALYSIS OF AN ANANYMOUS AND TRACEABLE GROUP DATA SHARING IN CLOUD COMPUTING"** is bonafide work done by the student in partial fulfillment of the academic requirements from **April 2022** to **August 2022** for award of **MCA** from **"Annamacharya Institute of Technology and Sciences, Rajampet"**.

We wish you all the best for future endeavors.

YoungMinds Technology Solutions Pvt. Ltd

YOUNGMINDS TECHNOLOGY SOLUTIONS PVT. LTD.

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ABSTRACT

In cloud environments, group data sharing has become a hot topic in recent years. How to share data securely and efficiently in cloud environments is an urgent problem to be solved. Recently, an anonymous and traceable group data sharing scheme was proposed by Shen et al to address this issue. They constructed their scheme using a group signature scheme as the building block. In this comment, discuss the security of their group signature scheme signature scheme and point out that it does not achieve the anonymity which they claimed and give a corresponding attack.In an existing system use the cloud environment. In which we store, retrieve and share data with other users. But in are facing data security issues and data sharing capacity is low.In the proposed system are building a new scheme to use the Group Signature Scheme as a building block. In the comment, discuss the security of their group signature scheme and point out that it did not achieve the anonymity they claimed and provide a relevant attack.

CONCLUSION

The final looked an examined Shen et all group 's signature approach in this comment. To pointed out that their technique fails to achieve CPA-full-anonymity and launched an attack in response. The security of data access policies based on hierarchical structure is addressed by our system. These plans give private cloud security as well as public cloud access, operations, and cost savings. As corporations use the public cloud, more advantages emerge, such as the public cloud's stability and the need for minimal maintenance and upkeep.

Future Scope: In future can implement to More security and provide Email Authentication.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(Approved by A.I.C.T.E, New Delhi & Affiliated to JNTU Anantapur, Anantapuramu)
(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

B No.	Roll No.	Name Of The Student	Title Of The Project
1	17701a0112	Divya Yallati	A Study On Water Quality Analysis Of Annamayya Dam And Few Water Quality Models
	18705a0103	Chandraobula Reddy Karnati	
	17701a0129	Leelakar Vankayala	
	17701a0110	Dhanunjaya Jedda	
2	18705a0101	Abdul Azeez Shaik	An Experimental Investigation On Strength Parameters Of Concrete Using Super Absorbent Polymer And Crimped Steel Fiber
	17701a0118	Hemanth Kumar Reddy Kethu	
	17701a0116	Harikrishna Chukka	
	17701a0107	Avinash Katti	
	18705a0110	Lakshmi Tumalakuntla	
3	17701a0104	Arifullah Shaik	Effective Location Of Shear Wall On Performance Of Building Frame Subjected To Lateral Load
	18705a0102	Ashok Kumar Reddy Siddam	
	18705a0107	Jaffar Shaik	
	17701a0102	Akhil Kumar Obili	
	17701a0122	Jaya Venkata Swaroop Reddycherla	
4	17701a0134	Mounika Mancha	Experimental Investigation On Mechanical Properties Of The High Strength Concrete By Partial Replacement Of Cement With Alccofine-1203
	18705a0109	Kullaye Swamy Bandaaru	
	16701a0124	Mohammad Mubarak Ali Shaik	
	17701a0109	Chinnikrishna P	
	16701a0142	*Ramya Peram*	
5	17701a0106	Avani Mettupalli	Analysis Of Building Subjected To Blast Loads By Using Etabs Software Package
	18705a0104	Dinesh Kodi	
	18705a0108	Kapileswara Naidu Rayachoti	
	17701a0123	Kasi Kondarayudu Kaveti	
	16701a0178	Venkata Sudharshan Thota	
6	17701a0125	Krishna Priya Rayapu Reddy	Trend Analysis For Groundwater Levels Using Nonparametric Tests In Handri River Basin Kurnool, Andhra Pradesh, India
	17701a0103	Anjaneyulu Pallepagu	
	17701a0128	Lakshminarayana Peruri	
	17701a0131	Mahendra Poluru	
	16701a0166	Sushma Jinkala	
7	17701a0132	Maheshwara Reddy Chappidi	Analysis And Design Of Water Storage Reservoirs For Rajampet Town For The Year 2040
	18705a0105	Eeregowd R	
	17701a0136	Muni Mahendra Reddy Nandyala	
	17701a0119	Hemanth Nagapeta	
	16701a0149	Saikumar Sirisetty	
8	17701a0127	Kumari Muchivolu	Traffic Volume Analysis And Signal Designing From Boyanapalli To Ntr Circle(Rajampet)
	17701a0117	Harshith Gudibanda Narayanappa Gari	

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B No.	Roll No.	Name Of The Student	Title Of The Project
	17701a0124	Kesava Babu Munagapati	
	17701a0108	Bharani Videm	
	17701a0113	Ganesh Devarakonda	
9	17701a0105	Aswitha Karanam	An Experimental Study On Economical And Eco-Friendly Concrete By Replacement Of Coarse Aggregate With Oil Palm Shell
	17701a0130	Madan Mohan Reddy Kamalapuram	
	17701a0111	Dinesh Kumar Reddy Kaladi	
	17701a0133	Manjunadha Reddy Busireddy	
10	18705a0106	Fayaz Syed	Effect Of Water Content On The Strength Of A Novel Jointing Material
	18705a0111	Mahitha Samanuru	
	17701a0114	Geetha K	
	17701a0120	Hussain Saheb Chetturu	
11	17701a0172	Yaswanth Kumar Chadarla	Assessment Of Annual Ground Water Availability In Handri River Basin
	17701a0167	Thanuja Reddy Kathi	
	17701a0153	Sainath Basani	
	17701a0147	Raviteja Thokala	
	17701a0154	Sampath Kumar Nagularapu	
	15701a0129	Jeswanthkumar Reddy Gadi	
12	17701a0159	Siva Sai Poojitha Maddala	Seismic Pounding Effects On High Rise Buildings
	18705a0114	Sameera Datta P	
	17701a0160	Sreedhar Lakkakula	
	18705a0120	Vasu Deva Reddy Gaddam	
	17701a0145	Ramesh Chettina Boyena	
13	17701a0173	Yugandhar Kumar Garlapati	A Study On Water Quality On Bahudha River
	17701a0155	Santhosh Kumar Bangi	
	18705a0118	Sreeramulu Badinahallu	
	17701a0137	Narasimhanaidu Veluru	
	17701a0151	Sai Akhil Malineni	
14	17701a0162	Subbarayudu Urimilla	Partial Replacement Of Cement With Barite Powder And Basalt Fibers
	17701a0161	Sri Hari Avula	
	18705a0116	Sasikanth Yadav Palla	
	17701a0138	Niranjan Srujith Kumar Yeddula	
	17701a0169	Venkata Sai Kumar Reddy Padigapati	
15	18705a0119	Sunil Kumar Katigandla	Comparative Analysis Of Industrial Peb And Csb (Time & Cost Effectiveness)
	17701a0164	Suman Reddy Thippana	
	18705a0115	Samuel Pallapu	
	17701a0139	Obula Reddy Kasi Reddy	
	17701a0168	Venkat Saikiran Chowdavaram	

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B No.	Roll No.	Name Of The Student	Title Of The Project
16	17701a0142	Priyanka Revuri	An Experimental Study On Economical Concrete By Partial Replacement Of Coarse Aggregate With Jhama Brick Aggregate
	17701a0157	Shaik Taheer Hussain Vanipenta	
	18705a0112	Purushotham Reddy Dugganapalli	
	17701a0143	Raja Maheswar Reddy Lomada	
	17701a0146	Ravi Shankar Banda	
17	17701a0140	Parameswara Gajjala	A Study And Analysis Of Construction Equipment Management Used In Construction Projects For Improving Productivity
	17701a0149	Reddy Simha Joka	
	18705a0113	Sai Ram Naddella	
	17701a0141	Pavan Kalyan Derangula	
	17701a0148	Razeem Basha Bonthala	
18	17701a0166	Swapana Lakkireddy	Impact Of Graphene Oxide On Cement Based Composite
	17701a0171	Vinay Kumar Reddy Macharla Lurdu	
	17701a0163	Sudheer Kumar Gandikota	
	18705a0121	Veera Surendra Reddy Kaipa	
	17701a0156	Sathwik Reddy Nooka	

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: RAJAMPET

(AUTONOMOUS)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Batch :2017-2021

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	17701A0238	K.PAVAN KALYAN	Dr.S.Suresh	Energy management system for small scale hybrid wind solar battery based Microgrid
	17701A0208	C.BHARATHKUMAR		
	17701A0214	D.DASTHARIGI		
2	17701A0204	J.AMRUTHA VARSHINI	Dr.O.Hemakesavulu	Implementation of solar PV-battery and diesel generator based electric vehicle charging station
	17701A0229	D.MANIDEEP		
	17701A0210	D.BHAVANA		
	17701A0221	M.JAKEER HUSSIAN		
3	17701A0215	B.GEETHANJALI	Dr.P.B.Chennaiah	Battery energy storage for seamless transitions of wind generation in standalone Microgrid
	17701A0213	T.CHARAN KUMAR		
	17701A0218	S.HIMA BINDU		
	17701A0231	G.MURALI MOHAN		
4	17701A0243	N.PURUSTHOTHAM REDDY	Dr.M.Padma Lalitha	Smart security solutions based on IOT
	17701A0245	B.RAJASHEKAR		
	17701A0241	B.PRAKASH REDDY		
	17701A0222	Y.JAYA CHANDRAHASHREDDY		
5	17701A0225	K.KASTHURI	Mrs.S.Sarada	Multilevel Torque Hysteresis-Band based Direct-Torque control strategy for a three level open-end winding induction motor drive for electric vehicle
	17701A0237	C.PALLAVI		
	17705A0223	S.JYOTHSNA		
	17701A0232	V.NAGA NANDINI		
6	17701A0242	G.PRAVEENA	Mr.M.Ramesh	Flexibility provisions from a fast charging facility equipped with DERs for wind integrated grids
	17701A0234	G.NAGA VENI		
	17701A0246	S.RAMUDU		
	17701A0205	K.BALARAMA KRISHNAREDDY		

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S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
7	17701A0247	T.RAMYA	Mr.L.Baya Reddy	Modeling and implementation of switching bidirectional buck boost converter based electric vehicle hybrid energy storage for V2Gsystem
	17701A0230	N.MOUNIKA		
	17701A0228	A.MALLIKARJUNA		
	17701A0244	V.RAJAREDDY		
8	17701A0212	K.CHANDRA MOULESWAR REDDY	Dr.Pasala Gopi	Simulation of wind turbine by using vector controlled induction motor drive
	17701A0248	D.REDDY MADHAVI		
	17701A0241	C.PRASANNA		
	17701A0217	A.HARI KIRAN		
9	17701A0233	K.NAGA SIVUDU	Mr.N.Sreeramula Reddy	Testing lifecycle of electric loads using Down counter
	17701A0211	G.CHANDRAOBUL REDDY		
	17701A0236	K.NOVA		
	17701A0227	S.M.SALLEM		
10	17701A0216	S.GIRIDHAR	Mr.K.Harinath Reddy	Air quality monitoring using ML
	17701A0207	K.BHARATHKUMAR		
	17701A0202	S.AKBARBHASHA		
	17701A0224	R.KAMALCHANDU		
11	17701A0209	T.BHARGAV	Mr. K.Manohar	Control strategies for securing AC/DC Transmission networks with renewable energy sources
	17701A0220	D.JAHNAVI		
	17701A0219	D.HUSSAINI		
	17701A0201	Y.ABDULLA		
12	17705A0239	N.PAVANI	Mr.P.Ayubkhan	Raspberry Pi based automated waste management system
	17701A0235	K.NAVEEN KUMAR		
	17701A0203	M.ALEKHYA		
	17701A0226	P.MADHU YADAV		

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: RAJAMPET

(AUTONOMOUS)

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Batch :2017-2021

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	18705A0222	B.PREETI	Dr.P.B.Chennaiah	Development of dual axis solar tracking using Arduino
	18705A0204	G.BHARGAVI		
	18705A0210	S.HARI BRAMHAIAH		
	18705A0231	K.SATISH KUMAR		
2	18705A0220	Y.PRADEEP REDDY	Dr.B.Madhusudhan Reddy	An Inductive Hybrid UPQC for power quality management in premium power supply required applications
	18705A0219	G.PAVAN KALYAN		
	18705A0225	K.RAJESH REDDY		
	18705A0207	H.R.DATTAKIRAN		
3	18705A0221	M.PRASAD	Mr.S.Muqthiar Ali	Green Campus With Internet of Things
	18705A0208	P.GANESH		
	18705A0236	A.UDAY KIRAN		
	18705A0224	K.RAJESH		
4	18705A0211	A.HARSHA VARDHAN REDDY	Dr.Pasala Gopi	Estimation Based extremum seeking control for improving the energy efficiency of PV system
	18705A0217	S.OBUL NAIDU		
	18705A0230	S.M.SAMIULLA		
5	18705A0228	S.SIVA KARTHIK	Mr.M.Mahesh	Voltage Sag enhancement of grid connected hybrid PV-Wind power system using Battery and SMES based Dynamic Voltage Restorer
	18705A0227	P.SAI GIREESH		
	18705A0201	G.ARUN SAI		
6	18705A0215	K.NAGA LEELA	Mr.P.Ravindra Prasad	Dynamic charging scheduling for EV parking lots with Photo voltaic power system
	18705A0213	S.KIRAN KUMAR REDDY		
	18705A0216	M.NAGA RANI		
	18705A0233	K.SREE HARSHA KUMAR		
7	18705A0234	S.SRINADH	Mr.Y.Rajasekhar	Smart care Health monitoring system based on IoT
	18705A0223	M.RAJEEV		
	18705A0237	K.VENKATA RAMANA		
8	18705A0214	L.S.MOHAMMED HANEEF	Mr.B.Murali Mohan	Integrated power quality monitoring mechanism at microgrid
	18705A0203	B.BALAJI BABU		
	18705A0238	P.VINOD KUMAR		
	18705A0202	Y.BALA GANGADHAR REDDY		

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S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
9	18705A0218	N.PAPAIAH	Mr.M.SAI SANDEEP	A Composite sliding mode Controller for Wind power extraction in remotely located solar PV-Wind Hybrid system
	18705A0209	B.GURUNARAYANA		
	18705A0226	V.REDDY ESWAR REDDY		
	18705A0235	P.UDAY BHARGAV		
10	18705A0206	P.DASTAGIRI	Mr.S.S.Deekshith	An Implementation of Solar PV array Based Multifunctional
	18705A0212	A.JAYANTH NAIDU		
	18705A0232	G.SHIVA KUAMR		
	18705A0229	C.SAI PRANEETH		

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: RAJAMPET

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Batch :2017-2021

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	17701A0266	D.SUPRIYA	Dr.O.HEMAKESAVULU	High Efficiency Bridgeless single power conversion Battery charger for light electric vehicles
	17701A0258	P.SIVA KAVITHA		
	17709A0202	M.MANASA SAI		
	17709A0207	K.SHIVA KUMAR		
2	17701A0268	G.SUSHMA	Dr.M.PADMA LALITHA	Cooperative Optimization of Electric Vehicles in Microgrids considering Across Time and space energy transmission
	17701A0260	G.SREELATHA		
	17701A0283	P.VIJAY KUMAR		
	17709A0209	S.TEJASH REDDY		
3	17701A0267	K.SUPRIYA	Mr.D.SAIKRISHNA KANTH	Minimising the Electricity theft using Internet of Things
	17701A0272	D.VARA PRASAD		
	17701A0284	T.VINEELA		
	17701A0257	M.SIVA SAI KUMAR		
4	17701A0252	K.SAI DIVYA	Mr.R.Madhan MOHAN	Single Stage Autonomous solar water pumping system through PMSM Drive
	17701A0253	D.SAI HARSHA VARDHAN REDDY		
	17701A0254	S.SARA DIVYA TEJA		
	17701A0251	P.SAI VARDHAN		
5	17701A0264	G.SUKUMAR REDDY	Mr.C.Ganesh	A generalized discontinuous PWM scheme for 3-level NPC traction inverter with minimum switching loss for electric vehicles
	17701A0271	K.UMA MAHESH KUMAR		
	17701A0270	D.UMAKANTH REDDY		
	17701A0277	C.VENKATA SUBBAIAH YADAV		
6	17701A0282	P.VINEELA	Mr.P.Bhaskara PRASAD	Coordinated Fuzzy- based low voltage Ride through control for PMSG Wind turbines and Energy Storage systems
	17709A0205	M.NARESH		
	17701A0262	L.SREENIVASULU REDDY		
	17701A0274	S.SAI DEEKSHITHA		

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S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
7	18700A0201	A.VEERA SIVA REDDY	Dr.S.SURESH	Practical Energy management system for isolated Microgrid
	17709A0201	J.KARTHIK		
	17701A0256	V.SIVA MOHAN REDDY		
	17701A0280	N.VENKATA SUDHA		
8	17701A0265	D.SUNEETHA	MS.P.JYOSHNA	A Decentralized dynamic load power allocation strategy for fuel cell /super capacitor based APU of large more electric vehicles
	17709A0206	P.NIHARIKA		
	17701A0273	R.VEERA MAHESH		
9	17709A0204	D.MUNI CHANDANA	Dr.B.MADHUSUDHAN REDDY	Power flow control strategy based on voltage vector distribution for dual power electric vehicle with an open end winding motor drive system
	17709A0203	K.MANJUSHA		
	17701A0275	V.VENKATA SAI REDDY		
	17701A0263	P.SRINIVASULU		
10	17701A0279	L.VENKATA RAMI REDDY	Mr.P.Suresh BABU	Industrial Based smart emergency response system for fire disaster using IoT
	17701A0281	C.VENKATESH		
	17709A0208	G.SIVAKUMAR REDDY		
	17701A0278	P.VENKATA SUBRAMANYAM		
11	17701A0269	B.TRIVENI	Mrs. M. MARUTHI NANDINI	IoT based traffic sign detection and violation control
	17701A0261	S.SREEJA		
	17701A0250	M.SAI SRAVANI		

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET
(AUTONOMOUS)
Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of project batches for the academic project work(2020-2021) during Fourth year.

Year: IV
Sec: A

Batch	H.T.No	Name of the student	Guide Name	Project Title
A 1	17701A0326	MAHESH BABU N	N. KEERTHI	SELF-REGULATING TYRE INFLATION SYSTEM
	17701A0329	MOHAMMED ABUBAKAR SIDDIQ SHAIK		
	17701A0331	B MOHAN SAI		
	17701A0332	GURRAM MUNI JITHENDRA		
	17701A0321	B KALYAN KUMAR		
A2	17701A0333	M MURALIDHAR CHOWDARY	Dr. N. VENKATA CHALAPATHI	"MODIFICATIONS IN THE DESIGN OF CHAFF CUTTER"
	17701A0325	C LOKESWARA REDDY		
	17701A0348	P SAI KUMAR		
	17701A0343	D RAMALINGESWARA		
A 3	17701A0340	POCHIREDDYGARI RAJESWARA REDDY	R.V.N.R. SURYA PRAKASH	"A REVIEW ON FRICTION STIR WELDING OF ALUMINIUM ALLOY"
	17701A0328	THIPPUGARI MALLIKARJUNA REDDY		
	17701A0324	POLI LOKNATH REDDY		
	17701A0335	DUNTHALA NAVEEN KUMAR REDDY		
A 4	18705A0302	ANIL KUMAR VUSA	Dr. A. HEMANTHA KUMAR	DEVELOPMENT OF HYBRID COMPOSITION OF ALUMINIUM 7075 ALLOYS BY APPLYING THE OPTIMIZATION TECHNIQUES
	18705A0318	NAVEEN MEKALA		
	17701A0317	POOLAKUNTA GURU PRASAD		
	18705A0307	CHINNA OBULESU PABBATI		
A 5	18705A0317	NAVEEN KUMAR AVULA	K. NAGAMANI	Optimizations Of Hardness And Tensile Strength Of Aluminium Alloy 2618A By Using Grey Relational Analysis
	18705A0303	ANUDEEP BANGALA		
	18705A0305	CHANDRAHAS MALA		
	16701A0318	MUDDULA KRISHNAIAH Y		
A 6	18705A0306	CHANDRASEKHAR SANGEETHAM	V. VENKATESH	FABRICATION OF XY PLOTTER
	18705A0315	MARUTHI K		
	17701A0302	PEDDAPARSHA ABHIRAM		
	17701A0312	DEVANGAM MAILARI CHARAN		
A 7	17701A0327	CHIKKEM MAHESWARREDDY	P. RAVINDRANATHA REDDY	INVESTIGATION ON CONVEX LENS AND FRESNEL LENS ON SOLAR PANEL
	17701A0337	PULLEM PRAVEEN KUMAR		
	17701A0336	JONNA NIVESH BABU		
	17701A0334	GUJJALA NAVEEN		
	17701A0330	SHAIK MOHAMMED GHOUSE		
A 8	17701A0303	SHAIK ALIHYDER SAHEB	Dr. N. SIVA RAMI REDDY	"Design and Fabrication of an Electric Bike"
	17701A0301	TERA ABHILASH REDDY		
	17701A0344	NUKA RAVICHANDRA OBULA REDDY		
	17701A0306	CHINTHAKUNTA ASHOK KUMAR REDDY		
A 9	18705A0316	NARESH A	S .NAGENDRA	AUTOMATIC SEED SOWING ROBOT
	18705A0304	CHAITHANYA JAKKAMPUTI		
	18705A0308	CHINNA SIVUDU NAIK MUDE		
	16701A0339	SIVADATHA		
A 10	18705A0301	ABDULGAFOOR SHAIK	Dr. D.KRISHNA MOHAN RAJU	DESIGN OF BUS BODY TO IMPROVE MILEAGE BY REDUCING WIND FRICTION LOSSES
	18705A0312	KHULUD SHAIK		
	17701A0349	MULINTI SAI KUMAR REDDY		
	17701A0339	ALAMURU RAHIM BABU		
A 11	18705A0313	MADHU BALIJA	G.SURESH BABU	DEVELOPMENT OF CORROSION RESISTANCE COATINGS ON MAGNESIUM FOR ORTHOPEDIC APPLICATIONS
	18705A0311	KARTHIKEYA KUNJETI		
	17701A0314	PUTLURU GANESH KUMAR REDDY		
	17701A0338	PRUDHVIRAJU		
A 12	17701A0347	CHUKKA SAI KIRAN	C. THIRUPATHAIAH	OPTIMIZATION OF DRILLING PARAMETERS ON CNC MACHINE OF AL-6063
	18705A0309	HANIF SIDHARTHA VALLURU		
	17701A0350	KORAMUTLA SAI NAVEEN		
	17701A0345	GANGARAJU ROHITH VARMA		
A 13	17701A0307	SYED AZHARULLAH	K.AJAYA KUMAR REDDY	INVESTIGATION OF MECHANICAL PROPERTIES & CORROSION RESISTANCE OF MAGNESIUM ALLOY FOR MEDICAL APPLICATIONS
	17701A0341	KAKANURU RAKESH REDDY		
	17701A0309	SINGASANI CHAITANYA		
	17701A0311	MANNURU CHANDRASEKHAR		
A 14	17701A0304	KANCHAM AMARNATH REDDY	S. M.SALEEMUDDIN	COMPARISON OF STRUCTURAL AND THERMAL ANALYSIS OF DIFFERENT TYPES OF CONNECTING ROD
	17701A0315	KOTHAPALLI GIRIDHARREDDY		
	17701A0316	PASHAM GOPIKRISHNA		
	17701A0305	BOYA ARAVIND		
	14701A0350	M Madhuvaran		
A 15	18705A0310	HARIKRISHNA YADAV YEDDULA	N.DEEPTHI	OPTIMIZATION OF PROCESS PARAMETERS IN WIRE EDM PROCESS
	17701A0308	LAKKASANDRAM BHARGAV		
	17701A0310	YERRAGUNDU CHANDRA OBULREDDY		
	18705A0314	MADHUSUDHAN REDDY MALLAMMAGARI		

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES :: RAJAMPET
(AUTONOMOUS)
Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of project batches for the academic project work(2020-2021) during Fourth year.

Year: IV
Sec: B

Batch	H.T.No	Name of the student	Guide Name	Project Titles
B1	18705A0332	VENKATA SESHU GARIGA	N GLORY UJWALA	MODELING AND ANALYSIS OF HAIR PIN HEAT EXCHANGER AT DIFFERENT NANO-FLUIDS
	18705A0325	RAJENDRA CHIMMANI		
	18705A0323	PRAVEEN KUMAR REDDY GURKA		
	18705A0322	PRASHANTH KUMAR SOMISETTY		
B2	17701A0359	NELAPATI SIVAKRISHNAMA NAIDU	N.KISHORE KUMAR	Optimization of Stir Casting process for Preparation of Al 7075 reinforncemnt with Titanium dioxide and Boron Nitrate
	18705A0329	SIVA PRASAD KODURU		
	17701A0371	GUMMULLA THIRUPATHI		
	17701A0362	MOLAKA SREEKANTH		
B3	17701A0373	SIRIGIRI VENKATA SAI KUMAR RAJU	B. VENKATESH	DEVELOPING MATERIAL MATRIX COMPOSITION OF Al 6063 WITH REINFORCING NANO PARTICLES BY APPLYING OPTIMIZATION TECHNIQUE
	17701A0370	RAJAMREDDY SUSHANTH REDDY		
	17701A0372	THOTAMSETTY VAMSI KRISHNA		
	17701A0376	JEERLA VINAYKUMAR		
B4	18705A0328	SAINATH REDDY MUKKAMALLA	G. AMARNATH	PREDICTION OF USED CAR PRICE BY USING MACHINE LEARNING
	18705A0324	PRUTHVI SAI GANESH SREERAMADASU		
	17701A0357	GANGIREDDYGARI SIVA REDDY		
	17709A0301	ATMAKURU DEVENDRA		
B5	17701A0378	UPPATHI VINOD KUMAR REDDY	M. LOKANATH	Study of Wear Characteristics of Surface Modified Magnesium Alloy
	17709A0306	GAJULA NITHEESH KUMAR		
	17709A0307	MUMMADI PRANADEEP KUMAR		
	17709A0305	SANDIGARI NAVEEN KUMAR		
B6	17701A0368	UMMALARAJU SRIHARI RAJU	M. MARUTHI PRASAD	Automatic Bike side stand slider
	17709A0303	KANDULA GIRIDHAR REDDY		
	18705A0327	RAMKUMAR BANDA		
	17701A0353	MUDE SANTHOSH NAIK		
B7	18705A0335	VENKATESWARLU BUJUNURU	N. JAYA KRISHNA	EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF MAGNESIUM METAL MATRIX COMPOSITE
	18705A0326	RAJESH GOLLAPALLI		
	18705A0321	PENCHALAIAH VELAGACHERLA		
	17701A0356	MITTA SIVA PRASANTH REDDY		
B8	17709A0311	NANDYALA SAI PHANEENDRA REDDY	V. MALLIKARJUNA	FABRICATION OF PORTABLE AIR HUMIDIFIER
	17709A0308	SAADHU PREM SAGAR REDDY		
	17709A0312	BALLA VENKATESH		
	17709A0302	RUDRU GANGA CHANDRA KUMAR REDDY		
B9	17701A0375	PALAGHAT VENKATARAMAN BALAJI	C. RAMANJANEYULU	HEAT TRANSFER ENHANCEMENT BY USING HYBRID NANOFLUIDS Al2O3 & Fe3O4 IN HEAT EXCHANGERS
	17701A0352	D SAMARA SIMHA REDDY		
	17701A0382	ANNEM YUVA SAINATH REDDY		
	17701A0367	YARRAGONDU SRIHARI BHARGAV PRASAD REDDY		
	17701A0360	BALARAJU SIVAPRASAD RAJU		
B10	17709A0310	YARRAGUDI SAI KRISHNA	D. VISHNU VARDHAN REDDY	Experimental Investigation of process parametersof AISi D3 tool steel in WEDM by using GRA & GA
	18705A0336	ZAHIR AHAMED KHATEEB		
	18705A0319	NOORUL ALI KHAN MAYANA		
	17701A0380	KAMBHAM VISWANATH REDDY		
B11	18705A0331	VENKATA NANDA REDDY KAMBAM	B. SANTOSH KUMAR	Fabricationof Prototype Model of Eddycurrent contact less Braking System
	18705A0330	TRINATHA REDDY YANAMALA		
	17709A0309	CHINDULURI REDDY VENKATA NITHESWAR		
	17709A0304	KUKKAPALLI KIRAN KUMAR		
B12	18705A0334	VENKATAPRAVEEN KOTTE	Dr.P.V.SANJEEVA KUMAR	MODELLING AND ANALYSIS OF CAR FLYWHEEL FOR VARIABLE SPEEDS
	18705A0333	VENKATAGANGADHAR REDDYCHARLA		
	17701A0379	ESLAVATH VINODKUMAR NAIK		
	17701A0365	GURRALA SREERAMULUU		
B13	17701A0361	NORU SREE VARDHAN REDDY	G.VENKATA AJAY KUMAR	FABRICATION OF MULTI PURPOSE SOLAR SPRAYER CUM WEEDER
	17701A0377	CHINNAKONDANNAGARI VINESH KUMAR		
	17701A0364	KURAKULA SREENATH REDDY		
	17701A0374	BATHULA VENKATA SREEKANTH		
B14	17701A0355	AKKAM REDDY SASIVARDHAN REDDY	S. RAMESH BABU	A REVIEW ON FRICTION STRIE WELDING ON POLYMERS
	17701A0354	SINGA SARATHSIMHA REDDY		
	17701A0358	BAYINENI SIVAKRISHNA		
	17701A0363	MEKALA SREEKANTH REDDY		

HOD ,
Dept of Mechanical Enginering.

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Batch	H.T.No	Name of the student	Project Title
1	17701A0326	MAHESH BABU N	SELF-REGULATING TYRE INFLATION SYSTEM
	17701A0329	MOHAMMED ABUBAKAR SIDDIQ SHAIK	
	17701A0331	B MOHAN SAI	
	17701A0332	GURRAM MUNI JITHENDRA	
	17701A0321	B KALYAN KUMAR	
2	17701A0333	M MURALIDHAR CHOWDARY	"MODIFICATIONS IN THE DESIGN OF CHAFF CUTTER"
	17701A0325	C LOKESWARA REDDY	
	17701A0348	P SAI KUMAR	
	17701A0343	D RAMALINGESWARA	
3	17701A0340	POCHIREDDYGARI RAJESWARA REDDY	"A REVIEW ON FRICTION STIR WELDING OF ALUMINIUM ALLOY"
	17701A0328	THIPPUGARI MALLIKARJUNA REDDY	
	17701A0324	POLI LOKNATH REDDY	
	17701A0335	DUNTHALA NAVEEN KUMAR REDDY	
4	18705A0302	ANIL KUMAR VUSA	DEVELOPMENT OF HYBRID COMPOSITION OF ALUMINIUM 7075 ALLOYS BY APPLYING THE OPTIMIZATION TECHNIQUES
	18705A0318	NAVEEN MEKALA	
	17701A0317	POOLAKUNTA GURU PRASAD	
	18705A0307	CHINNA OBULESU PABBATI	
5	18705A0317	NAVEEN KUMAR AVULA	Optimizations Of Hardness And Tensile Strength Of Aluminium Alloy 2618A By Using Grey Relational Analysis
	18705A0303	ANUDEEP BANGALA	
	18705A0305	CHANDRAHAS MALA	
	16701A0318	MUDDULA KRISHNAIAH Y	
6	18705A0306	CHANDRASEKHAR SANGEETHAM	FABRICATION OF XY PLOTTER
	18705A0315	MARUTHI K	
	17701A0302	PEDDAPARSHA ABHIRAM	
	17701A0312	DEVANGAM MAILARI CHARAN	
7	17701A0327	CHIKKEM MAHESWARREDDY	INVESTIGATION ON CONVEX LENS AND FRESNEL LENS ON SOLAR PANEL
	17701A0337	PULLEM PRAVEEN KUMAR	
	17701A0336	JONNA NIVESH BABU	
	17701A0334	GUJJALA NAVEEN	
	17701A0330	SHAIK MOHAMMED GHOUSE	
8	17701A0303	SHAIK ALIHYDER SAHEB	"Design and Fabrication of an Electric Bike"
	17701A0301	TERA ABHILASH REDDY	
	17701A0344	NUKA RAVICHANDRA OBULA REDDY	

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Batch	H.T.No	Name of the student	Project Title
	17701A0306	CHINTHAKUNTA ASHOK KUMAR REDDY	
9	18705A0316	NARESH A	AUTOMATIC SEED SOWING ROBOT
	18705A0304	CHAITHANYA JAKKAMPUTI	
	18705A0308	CHINNA SIVUDU NAIK MUDE	
	16701A0339	SIVADATHA	
10	18705A0301	ABDULGAFOOR SHAIK	DESIGN OF BUS BODY TO IMPROVE MILEAGE BY REDUCING WIND FRICTION LOSSES
	18705A0312	KHULUD SHAIK	
	17701A0349	MULINTI SAI KUMAR REDDY	
	17701A0339	ALAMURU RAHIM BABU	
11	18705A0313	MADHU BALIJA	DEVELOPMENT OF CORROSION RESISTANCE COATINGS ON MAGNESIUM FOR ORTHOPEDIC APPLICATIONS
	18705A0311	KARTHIKEYA KUNJETI	
	17701A0314	PUTLURU GANESH KUMAR REDDY	
	17701A0338	PRUDHVIRAJU	
12	17701A0347	CHUKKA SAI KIRAN	OPTIMIZATION OF DRILLING PARAMETERS ON CNC MACHINE OF AL-6063
	18705A0309	HANIF SIDHARTHA VALLURU	
	17701A0350	KORAMUTLA SAI NAVEEN	
	17701A0345	GANGARAJU ROHITH VARMA	
13	17701A0307	SYED AZHARULLAH	INVESTIGATION OF MECHANICAL PROPERTIES & CORROSION RESISTANCE OF MAGNESIUM ALLOY FOR MEDICAL APPLICATIONS
	17701A0341	KAKANURU RAKESH REDDY	
	17701A0309	SINGASANI CHAITANYA	
	17701A0311	MANNURU CHANDRASEKHAR	
14	17701A0304	KANCHAM AMARNATH REDDY	COMPARISON OF STRUCTURAL AND THERMAL ANALYSIS OF DIFFERENT TYPES OF CONNECTING ROD
	17701A0315	KOTHAPALLI GIRIDHARREDDY	
	17701A0316	PASHAM GOPIKRISHNA	
	17701A0305	BOYA ARAVIND	
	14701A0350	M Madhuvaran	
15	18705A0310	HARIKRISHNA YADAV YEDDULA	OPTIMIZATION OF PROCESS PARAMETERS IN WIRE EDM PROCESS
	17701A0308	LAKKASANDRAM BHARGAV	
	17701A0310	YERRAGUNDU CHANDRA OBULREDDY	
	18705A0314	MADHUSUDHAN REDDY MALLAMMAGARI	
16	18705A0332	VENKATA SESHU GARIGA	MODELING AND ANALYSIS OF HAIR PIN HEAT EXCHANGER AT DIFFERENT NANO-FLUIDS
	18705A0325	RAJENDRA CHIMMANI	
	18705A0323	PRAVEEN KUMAR REDDY GURKA	

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Batch	H.T.No	Name of the student	Project Title
	18705A0322	PRASHANTH KUMAR SOMISETTY	
17	17701A0359	NELAPATI SIVAKRISHNAMA NAIDU	Optimization of Stir Casting process for Preparation of Al 7075 reinforncemnt with Titanium dioxide and Boron Nitrate
	18705A0329	SIVA PRASAD KODURU	
	17701A0371	GUMMULLA THIRUPATHI	
	17701A0362	MOLAKA SREEKANTH	
18	17701A0373	SIRIGIRI VENKATA SAI KUMAR RAJU	DEVELOPING MATERIAL MATRIX COMPOSITION OF Al 6063 WITH REINFORCING NANO PARTICLES BY APPLYING OPTIMIZATION TECHNIQUE
	17701A0370	RAJAMREDDY SUSHANTH REDDY	
	17701A0372	THOTAMSETTY VAMSI KRISHNA	
	17701A0376	JEERLA VINAYKUMAR	
19	18705A0328	SAINATH REDDY MUKKAMALLA	PREDICTION OF USED CAR PRICE BY USING MACHINE LEARNING
	18705A0324	PRUTHVI SAI GANESH SREERAMADASU	
	17701A0357	GANGIREDDYGARI SIVA REDDY	
	17709A0301	ATMAKURU DEVENDRA	
20	17701A0378	UPPATHI VINOD KUMAR REDDY	Study of Wear Characteristics of Surface Modified Magnesium Alloy
	17709A0306	GAJULA NITHEESH KUMAR	
	17709A0307	MUMMADI PRANADEEP KUMAR	
	17709A0305	SANDIGARI NAVEEN KUMAR	
21	17701A0368	UMMALARAJU SRIHARI RAJU	Automatic Bike side stand slider
	17709A0303	KANDULA GIRIDHAR REDDY	
	18705A0327	RAMKUMAR BANDA	
	17701A0353	MUDE SANTHOSH NAIK	
22	18705A0335	VENKATESWARLU BUJUNURU	EXPERIMENTAL INVESTIGATION ON MECHANICAL PROPERTIES OF MAGNESIUM METAL MATRIX COMPOSITE
	18705A0326	RAJESH GOLLAPALLI	
	18705A0321	PENCHALAIAH VELAGACHERLA	
	17701A0356	MITTA SIVA PRASANTH REDDY	
23	17709A0311	NANDYALA SAI PHANEENDRA REDDY	FABRICATION OF PORTABLE AIR HUMIDIFIER
	17709A0308	SAADHU PREM SAGAR REDDY	
	17709A0312	BALLA VENKATESH	
	17709A0302	RUDRU GANGA CHANDRA KUMAR REDDY	

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Batch	H.T.No	Name of the student	Project Title
24	17701A0375	PALAGHAT VENKATARAMAN BALAJI	HEAT TRANSFER ENHANCEMENT BY USING HYBRID NANOFLUIDS Al2O3 & Fe3O4 IN HEAT EXCHANGERS
	17701A0352	D SAMARA SIMHA REDDY	
	17701A0382	ANNEM YUVA SAINATH REDDY	
	17701A0367	YARRAGONDU SRIHARI BHARGAV PRASAD REDDY	
	17701A0360	BALARAJU SIVAPRASAD RAJU	
25	17709A0310	YARRAGUDI SAI KRISHNA	Experimental Investigation of process parametersof AISi D3 tool steel in WEDM by using GRA & GA
	18705A0336	ZAHIR AHAMED KHATEEB	
	18705A0319	NOORUL ALI KHAN MAYANA	
	17701A0380	KAMBHAM VISWANATH REDDY	
26	18705A0331	VENKATA NANDA REDDY KAMBAM	Fabricationof Prototype Model of Eddycurrent contact less Braking System
	18705A0330	TRINATHA REDDY YANAMALA	
	17709A0309	CHINDULURI REDDY VENKATA NITHESWAR	
	17709A0304	KUKKAPALLI KIRAN KUMAR	
27	18705A0334	VENKATAPRAVEEN KOTTE	MODELLING AND ANALYSIS OF CAR FLYWHEEL FOR VARIABLE SPEEDS
	18705A0333	VENKATAGANGADHAR REDDYCHARLA	
	17701A0379	ESLAVATH VINODKUMAR NAIK	
	17701A0365	GURRALA SREERAMULUU	
28	17701A0361	NORU SREE VARDHAN REDDY	FABRICATION OF MULTI PURPOSE SOLAR SPRAYER CUM WEEDER
	17701A0377	CHINNAKONDANNAGARI VINESH KUMAR	
	17701A0364	KURAKULA SREENATH REDDY	
	17701A0374	BATHULA VENKATA SREEKANTH	
29	17701A0355	AKKAM REDDY SASIVARDHAN REDDY	A REVIEW ON FRICTION STRIE WELDING ON POLYMERS
	17701A0354	SINGA SARATHSIMHA REDDY	
	17701A0358	BAYINENI SIVAKRISHNA	
	17701A0363	MEKALA SREEKANTH REDDY	

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B.No.	HT. No.	Name of the Candidate	DEPT	YEAR	Title of the project
1	17701A0508	ANITHA JYOTHI GAJJALA	CSE	IV	Analysis of diabetic retinopathy using machine learning
	17701A0542	KATYAYANI VASI	CSE	IV	
	17701A0545	KISHORE REDDY MAJJIGA REDDI	CSE	IV	
	17701A0518	BINDU SREE MUDDA	CSE	IV	
	17701A0534	HEMANTH KUMAR ODETI	CSE	IV	
2	17701A0505	AKHILA NARREDDY	CSE	IV	Traffic sign recognition by combining global and local features based on semi supervised classification
	17701A0538	JITHENDRAKUMAR SETTIPALLI	CSE	IV	
	17701A0504	AKANKSHA MAMILLA	CSE	IV	
	17701A0522	DHILIP KUMAR THARIGOPULA	CSE	IV	
	17701A0527	DHILIP KUMAR THARIGOPULA	CSE	IV	
3	17701A0548	LAKSHMI PRASANNA GODDETI	CSE	IV	Forecast of House Price using Machine Learning with Python
	17701A0540	JYOTHSNA MOTHUKURU	CSE	IV	
	17701A0514	ASWINI BIRUDALA	CSE	IV	
	17701A0541	KARTHIK BUTNA	CSE	IV	
	17701A0502	AFTHAB AHAMAD PENNARAGATTA SYED	CSE	IV	
4	17701A0524	DIVYA PALLE	CSE	IV	Prediction of Stock Price using Machine Learning Algorithms
	17701A0515	BALAJI KETHU	CSE	IV	
	17701A0556	MALLIKARJUNA BATHALA	CSE	IV	
	17701A0530	HARITHA MELLAMPUTI	CSE	IV	
	17701A0537	INDRA REDDY PAMIREDDY	CSE	IV	
5	17701A0526	GOWTHAM REDDY AMBAVARAM	CSE	IV	Public Opinion Analysis of Multi-Message Hotspots using Machine Learning
	17701A0554	MADHUMITHA NANDYALA	CSE	IV	
	17701A0532	HARSHINI GOTTIMUKKALA	CSE	IV	
	17701A0529	HAMREESH YOGI KONETI	CSE	IV	
	17701A0543	KIRAN BANTROTHU	CSE	IV	
6	17701A0547	LAKSHMI CHOWDAM	CSE	IV	Prediction of Parkinsons Disease using Machine Learning Techniques
	17701A0528	GURU SATYA SREENIVASULU KANUMARLAPUDI	CSE	IV	
	17701A0510	ANKITHA KUMMATHI	CSE	IV	
	17701A0521	DEVENDRA REDDY BOYAPALLE	CSE	IV	
	17701A0519	CHANDAN GODA	CSE	IV	
7	17701A0511	ANUSHA YELAMA	CSE	IV	Classification Algorithms based Mental Health Prediction using Data Mining
	17701A0507	AMITHA AKEPATI	CSE	IV	
	17701A0523	DILEEP KUMAR REDDY NAGA	CSE	IV	
	17701A0520	CHANDRAVAMSHI PYADINDI	CSE	IV	
	17701A0503	AJAY PUSTHELA	CSE	IV	
8	17701A0512	ARCHANA RANGU	CSE	IV	Soil and Land

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B.No.	HT. No.	Name of the Candidate	DEPT	YEAR	Title of the project
	17701A0551	LAKSHMIKANTH SADHU	CSE	IV	Classification for better Crop Suggestion using Image Processing
	17701A0559	MANEESHA VEERAMREDDY	CSE	IV	
	17701A0557	MANASA KOTTE	CSE	IV	
	17701A0517	BHARATH REDDY MUKKAMALLA	CSE	IV	
9	17701A0513	ARUNKUMAR REDDY SIRIGIRI	CSE	IV	Modified Genetic based Algorithm for load Balancing using Cloud Computing
	17701A0552	LIKHITHA K	CSE	IV	
	17701A0539	JYOTHI GEDDEM	CSE	IV	
	17701A0544	KIRAN KUMAR REDDY DUGGASANI	CSE	IV	
	17701A0501	ABDUL RAHIM KHAN BITNI	CSE	IV	
10	17701A0531	HARITHA MUPPALA	CSE	IV	An Experimental study for software Quality Prediction with Machine Learning Methods
	17701A0546	KRISHNA PREETHI BOGA	CSE	IV	
	17701A0509	ANITHA KARETI	CSE	IV	
	17701A0506	ALIYA KOUSAR KOTHAPALLE	CSE	IV	
11	17701A0525	GEETHA CHOWDARY NARA	CSE	IV	Machine Driven data Processing for fault free Railway track using Automatic Driven Vehicle
	17701A0549	LAKSHMI SADHANA AMBAVARAM	CSE	IV	
	17701A0550	LAKSHMI SOWMYA BONTHALA	CSE	IV	
	17701A0558	MANASA VELAGACHARLA	CSE	IV	
12	17701A0535	HEMAVALLIKA KANCHARLA	CSE	IV	COVID-19 Real Time Facemask Detection with Deep Learning and Computer Vision
	17701A0555	MALATHI BASINENI	CSE	IV	
	17701A0536	HIMABINDU GANDIKOTA	CSE	IV	
	17701A0553	LINGESWARI YARRAGUNTLA	CSE	IV	
13	17701A0572	MOUNIKA SUDHA	CSE	IV	A Multi Task Learning model for Traffic Flow and Speed Forecasting
	17701A05A2	RUKSANA DUDEKULA	CSE	IV	
	17701A0576	NAGENDRA CHALLA	CSE	IV	
	17701A05A5	SAI MADHU KRISHNA SIMMA	CSE	IV	
	17701A0586	PAVITRA KATAM	CSE	IV	
14	17701A05A1	RISHITHA NARAPAREDDY	CSE	IV	Fake Product Review Monitoring using Opnion Mining
	17701A05B4	SATISH KUMAR REDDY SOMIREDDY	CSE	IV	
	18705A0501	ADARSH SINGAMANENI	CSE	IV	
	17701A0587	PEDDA REDDAIAH NAIDU POLARAPU	CSE	IV	
	17701A05B3	SARAN KUMAR CHINTHAMANI	CSE	IV	
15	17701A0560	MANUSHA BADVELU	CSE	IV	Hand Gesture Recognition System
	17701A0571	MOUNIKA GUDDOLLAGALLA	CSE	IV	
	18705A0504	ANUSHA URIMILLA	CSE	IV	
	17701A0580	NAVEEN KUMAR REDDY RACHAMREDDY	CSE	IV	

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B.No.	HT. No.	Name of the Candidate	DEPT	YEAR	Title of the project
	17701A05B0	SANDEEP C	CSE	IV	
16	17701A0575	NAGA JYOTHI GUDIPATI	CSE	IV	Different Machine Learning Approaches for Predicting Student Performance
	17701A0578	NANDINI TATIGOPULA	CSE	IV	
	17701A0594	RAKESH MANDALA	CSE	IV	
	17701A0588	PHANI VARDHAN SIRIVELLA	CSE	IV	
	17701A0577	NAGENDRA KEDRI	CSE	IV	
17	17701A0569	MOHITH CHOWDARY GOLLAPUTI	CSE	IV	Classification of Online Toxic Comments using Machine Learning Algorithms
	18705A0503	DEEPA KAVETI	CSE	IV	
	17701A05B1	SANDEEP KUMAR VANKAYALA	CSE	IV	
	17701A0561	MEERAVALI SHAIK	CSE	IV	
	17701A0591	PRASANTHI KARNA	CSE	IV	
18	17701A0590	PRANAVI NANDIMANDALAM	CSE	IV	Instant Plasma Donar Recipient Connector Web Application
	17701A0597	RASMITHA THAMMINENI	CSE	IV	
	17701A0566	MOHAN B	CSE	IV	
	17701A0585	PAVITHRA LAVIDI	CSE	IV	
	17701A05A6	SAI PRAKASH BIRUDARAJU	CSE	IV	
19	17701A05A9	SAI VINITHA POCHIMIREDDY	CSE	IV	An Efficient Novel Approach for Crop Management System Using Android
	17701A0583	NISHMITHA MALLANGI	CSE	IV	
	17701A05A0	REVANTH KUMAR GOGULA	CSE	IV	
	17701A0570	MOUNIKA AMBATI	CSE	IV	
	17701A0598	REDDAIAH MANDEM	CSE	IV	
20	17701A0573	MUNILAKSHMI POTHULA	CSE	IV	Block Chain Based Dynamic Spectrum Access of Non Real Time Data in Cyber Physical Social Sysytem
	17701A0599	RESHMA BEGUM SHAIK	CSE	IV	
	17701A0568	MOHAN REDDY KUDUMALA	CSE	IV	
	17701A0592	PRAVALLIKA CHINNAKOMERLA	CSE	IV	
	17701A05A3	SAI AJAY SREERAMADASU	CSE	IV	
21	17701A0589	POORNACHANDRA BABU JALAKAM	CSE	IV	Currency Detector for Visually Impaired
	17701A0562	MEGHANA CHIRIYALA	CSE	IV	
	17701A0582	NAVEENSAGAR UPPU	CSE	IV	
	17701A0574	NAGA BHARATHI GANJIKUNTA	CSE	IV	
22	17701A05A7	SAI PRIYA PALLALA	CSE	IV	Smart Cane for Blind People
	18705A0502	VAISHNAVI YEKKALURI	CSE	IV	
	17701A0550	LAKSHMI SOWMYA BONTHALA	CSE	IV	
	17701A0595	RAMA KRISHNA BAYANNAGARI	CSE	IV	
	17701A05B6	SAZID DUDEKULA	CSE	IV	
23	17701A0584	PAVAN KUMAR PUNETI	CSE	IV	Visual Product Identification for
	17701A0579	NARAYANAMMA LEKKALA	CSE	IV	

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B.No.	HT. No.	Name of the Candidate	DEPT	YEAR	Title of the project
	17701A05A8	SAI REDDY UMMADI	CSE	IV	Visually Impaired people using Android
	17701A0596	RAMPRASAD ACHARI KUNTIMADDI	CSE	IV	
24	17701A05D6	SUCHITHA REDDY CHAGAM	CSE	IV	Online Product Recommendation Using Sentiment Analysis
	17701A05E6	SWETHA NAGIREDDY	CSE	IV	
	17701A05E3	SUSHMA CHOWDARY GUTHA	CSE	IV	
	17701A05F4	VENKATA NAVEEN KUMAR BADUGU	CSE	IV	
	17701A05G6	VINOD KUMAR REDDY ONTEDDU	CSE	IV	
25	17701A05D3	SRI VARSHINI JANGITI	CSE	IV	Selective Authentication based Geographic opportunistic Routing in Wireless Sensor Networks for Internet of Things Against DOS Attacks
	17701A05F1	UMA MAHESWARI PALLE	CSE	IV	
	17701A05B8	SHARMILA BOGALA	CSE	IV	
	17701A05E2	SUREKHA VASANTHA	CSE	IV	
	17701A05C0	SHYAM SUNDER ARITAKULA	CSE	IV	
26	17701A05E5	SWARUPA MANCHALA	CSE	IV	Iot Based device for Continuous Monitoring Of Cardiac Activity During Sleep
	17701A05F8	VENKATA SAI KIRAN NAIDU TAGIRISAPU	CSE	IV	
	17701A05G9	YAMINI MALIKIREDDY	CSE	IV	
	17701A05D8	SUDHARSHAN SREERAMA	CSE	IV	
	17701A05D7	SUDARSHAN BIRUDHALA	CSE	IV	
27	17701A05D1	SREENIVASULU GONJIPALLI	CSE	IV	AI on COVID-19 Deep Learning Approach for Diagnosis and Medicine Prediction
	17701A05D2	SRI HARSHITHA DEVINENI	CSE	IV	
	17701A05G5	VINOD GOUD K	CSE	IV	
	17701A05C2	SINDHURA KARNATI	CSE	IV	
	17701A05C8	SREEKANTH REDDY SETTIPALLI	CSE	IV	
28	17701A05C6	SOWJANYA SIDDAMOORTHY	CSE	IV	Secure File Storage on Cloud using Hybrid Cryptography
	17701A05G0	VENKATA SURESH RUDHRAPOTHU	CSE	IV	
	17701A05B9	SHARON PUSHPA BADDALA	CSE	IV	
	17701A05G7	VISHNU VARDHAN REDDY KOVVURI	CSE	IV	
	17701A05E7	TEJA NAIDU PENDYALA	CSE	IV	
29	17701A05D0	SREENIVASULU DONTHU	CSE	IV	Hazard identification and Detection using machine Learning Approach
	17701A05C1	SINDHU MUDDA	CSE	IV	
	17701A05F7	VENKATA SAGAR GANESH RAO MAHENDRAKAR	CSE	IV	
	17701A05F2	VAMSI KRISHNA NAYUNIPATI	CSE	IV	
	17701A05C3	SIVA KISHORE VADDEMANI	CSE	IV	
30	17701A05E4	SUSMITHA MAMILLA	CSE	IV	Smart Wearable

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B.No.	HT. No.	Name of the Candidate	DEPT	YEAR	Title of the project
	17701A05G1	VINAY KUMAR REDDY CHEREDDY	CSE	IV	Device for Women safety using IOT
	17701A05F5	VENKATA PAVAN KALYAN RAO DADAM	CSE	IV	
	17701A05C9	SREELEKHA DEVIREDDY	CSE	IV	
	17701A05D5	SRIHARI PASUPULETI	CSE	IV	
31	17701A05G8	VYSHNAVI KATTA	CSE	IV	Arduino Based Traffic Congestion
	17701A05C5	SOWJANYA BOJJA	CSE	IV	
	17701A05F9	VENKATA SIVAPRASAD GOGU	CSE	IV	
	17701A05H2	YASHODA BOGA	CSE	IV	
	17701A05H0	YAMINI NALLAPPAGARI	CSE	IV	ARDUINO BASED TRAFFIC CONGESTION CONTROL SYSTEM WITH AUTOMATIC SIGNAL
	17701A05F0	UMA MAHESWARI PALLAPU	CSE	IV	
	17701A05E9	UMA MAHESWARI CHEEMALA	CSE	IV	
	17701A05C7	SREEJA KANCHARLA	CSE	IV	
	17701A05E8	UDAY KUMAR MUDUMALA	CSE	IV	
33	17701A05G4	VINITHA PEDDIREDDY VARI	CSE	IV	AUTOMATIC ATTENDANCE MANAGEMENT SYSTEM USING FACE DETECTION
	17701A0570	MOUNIKA AMBATI	CSE	IV	
	17701A05D9	SUPRIYA ANDLURI	CSE	IV	
	17701A05E0	SUPRIYA MOSURUPODI	CSE	IV	
	17701A05C4	SIVA KUMAR PALEM	CSE	IV	
34	17701A05E1	SUREKHA GOTTIMUKKALA	CSE	IV	Cluster-Based Routing for the Mobile Sink in Wireless Sensor Networks With Obstacles
	17701A05H1	YAMINI SRISAILAM	CSE	IV	
	17701A05F6	VENKATA PRAVEEN REDDY ANNAPUREDDY	CSE	IV	
	17701A05G3	VINAY KUMAR SOMA	CSE	IV	
35	17709A0502	AFTHAB AHAMAD PENNARAGATTA SYED	CSE	IV	ANNAMACHARYA INFORMATION MANAGEMENT SYSTEM
	17709A0504	AKANKSHA MAMILLA	CSE	IV	
	17709A0540	JYOTHSNA MOTHUKURU	CSE	IV	
	17709A0548	LAKSHMI PRASANNA GODDETI	CSE	IV	
	17709A0513	ARUNKUMAR REDDY SIRIGIRI	CSE	IV	
36	17709A0534	HEMANTH KUMAR ODETI	CSE	IV	OPTIMAL PLACEMENT AND INTELLIGENT SMOKE DETECTION ALGORITHM FOR WILD-FIRE MONITORING CAMERAS
	17709A0507	AMITHA AKEPATI	CSE	IV	
	17709A0522	DHILIP KUMAR THARIGOPULA	CSE	IV	
	17709A0531	INDRA REDDY PAMIREDDY	CSE	IV	
	17709A0520	CHANDRAVAMSHI PYADINDI	CSE	IV	

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B.No.	HT. No.	Name of the Candidate	DEPT	YEAR	Title of the project
37	17709A0532	HARSHINI GOTTIMUKKALA	CSE	IV	SECURE ELECTRONIC VOTING SYSTEM BASED ON BLOCKCHAIN TECHNOLOGY AND FACE RECOGNITION
	17709A0521	DEVENDRA REDDY BOYAPALLE	CSE	IV	
	17709A0505	AKHILA NARREDDY	CSE	IV	
	17709A0516	BHANU PRAKASH TALLAPAKA	CSE	IV	
	17709A0506	ALIYA KOUSAR KOTHAPALLE	CSE	IV	
38	17709A0523	DILEEP KUMAR REDDY NAGA	CSE	IV	Machine Learning Algorithm for Brain Stroke Disease Classification
	17709A0517	BHARATH REDDY MUKKAMALLA	CSE	IV	
	17709A0527	GURU PRASAD REDDY MARTHALA	CSE	IV	
	17709A0501	ABDUL RAHIM KHAN BITNI	CSE	IV	
	17709A0546	KRISHNA PREETHI BOGA	CSE	IV	
39	17709A0526	GOWTHAM REDDY AMBAVARAM	CSE	IV	A LIGHTWEIGHT AUDITING SERVICE FOR SHARED DATA WITH SECURE USER REVOCATION IN CLOUD STORAGE
	17709A0510	ANKITHA KUMMATHI	CSE	IV	
	17709A0524	DIVYA PALLE	CSE	IV	
	17709A0537	INDRA REDDY PAMIREDDY	CSE	IV	
	17709A0541	KARTHIK BUTNA	CSE	IV	
40	17709A0536	HIMABINDU GANDIKOTA	CSE	IV	Implementation and Verification of File security using Elliptic Curve Cryptography (ECC) in cloud Environment
	17709A0545	KISHORE REDDY MAJJIGA REDDI	CSE	IV	
	17709A0528	GURU SATYA SREENIVASULU KANUMARLAPUDI	CSE	IV	
	17709A0508	ANITHA JYOTHI GAJJALA	CSE	IV	
	17709A0519	CHANDAN GODA	CSE	IV	
41	17709A0539	JYOTHI GEDDEM	CSE	IV	A NOVEL WEB SCRAPING APPROACH USING ADDITIONAL INFORMATION OBTAINED FROM
	17709A0503	AJAY PUSTHELA	CSE	IV	
	17709A0542	KATYAYANI VASI	CSE	IV	
	17709A0530	HARITHA MELLAMPUTI	CSE	IV	
	17709A0514	ASWINI BIRUDALA	CSE	IV	
42	17709A0538	JITHENDRAKUMAR SETTIPALLI	CSE	IV	CRIME ANALYSIS MAPPING INTRUSION DETECTION USING DATA MINING
	17709A0511	ANUSHA YELAMA	CSE	IV	
	17709A0525	GEETHA CHOWDARY NARA	CSE	IV	
	17709A0509	ANITHA KARETI	CSE	IV	
	17701A0579	NARAYANAMMA LEKKALA	CSE	IV	

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LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2020-21

S.No.	H.T.No.	Name of the Candidate	Name of the Project Title
1	19701E0001	ANIL KUMAR BUKKA	A study on Funds flow Analysis with reference to Bharathi Cements Limited
2	19701E0002	ANILKUMAR REDDY VEERAMAREDDY	A study on Inventory management with reference to Hindustan an Coco-Cola Beverges Pvt Ltd
3	19701E0003	ANUSHA MURUKUTI	A study on working capital with reference to Dalmia Cement (Bharat) Ltd
4	19701E0004	APARNA BEERAM	A study on Financial Perfomance with reference to Surya Elevators Pvt ltd
5	19701E0005	ASHOK ALAMURI	A study on Inventory Management with reference to Shri Govindaraja Mills Pvt Ltd
6	19701E0006	CHADNRA MOULI DASARI	A study on Working Capital management with reference to Shri Govindaraja Mills Pvt ltd
7	19701E0007	CHAITANYA HALE KANNARI	A study on Customer Perception with reference to Srikalahathi Pipes Pvt Ltd
8	19701E0009	CHANDRASEKHAR BOMMANA	A study on Working Capital Management with reference to Dalmia Cement Bharathi Ltd
9	19701E0010	DHARMAREDDY TAMMINENI	A study on Capital Budgeting Management with reference to Sri Kalahasthi Pipes Ltd
10	19701E0011	FIROJ SHAIK SIKILIGIRI	A study on Capital Budgeting with reference to Dalmia Cement(Bharat) Pvt Ltd
11	19701E0012	GOPALA KRISHNA GODUGUNURUI	A study on Working Capital Management with reference to Chaitanya Chemicals
12	19701E0013	HARSHA VARDHAN CHOKKAM	A study on Fixed Assets Management with reference to Mr Honda Motors Pvt Ltd
13	19701E0014	KALYAN MADAKA	A study on Working Capital Management with reference to Apgenco Pvt Ltd
14	19701E0015	KAVYA ANDRA	A study on Customer Satisfaction with reference to Tata Motors
15	19701E0016	LAKSHMI K	A study on Working Capital Management
16	19701E0017	LAKSHMI NARASAMMA PODILI	A study on Inventory Management with reference to Amara Raja Batteries Ltd
17	19701E0018	LAKSHMI NARAYANA RAJALA	A study on Inventory Management with reference to Dixon Technologies(India) Ltd
18	19701E0019	LAKSHMIPRASANNA KOMMI	A study on Working Capital Management with reference to AndhraPradesh Southern Power Distribution Company Ltd
19	19701E0020	MADHAVI AKKI	A study on Ratio Analysis with reference to Andhra Baryte Corporatioon Private Ltd
20	19701E0021	MAHAMMAD AFZAL SHAIK	A study on Working Capital Management with reference to Amara Raja Batteries Pvt Ltd
21	19701E0022	MAHESH LINGAPPAGARI	A study on Financial Statement Analysis with reference to Macro Precious Component's
22	19701E0023	MALIK BASHA	A study on Cash Flows Statement with reference to Andhra Pradesh

		SHBIK	Southern Power of Distribution company Ltd
23	19701E0024	MANASA KESHAMREDDY	A study on Capital Budgeting with reference to Penna Cement
24	19701E0025	MOHAMMAD SABIR SYED	A study on Customer Awareness on Sales Promotion with reference to Mr Honda Motors
25	19701E0026	NAGA DURGA SAI KUMARI BARRE	A study on Sales Promotional Activities with reference to Vishnu Super Market
26	19701E0027	NAGA LAKSHSMI NAGALAKKAGARI	A study on Funds Flow Statement with reference to Integrated Thermoplastic Pvt Ltd
27	19701E0028	NAVEEN CHANDAGANI	A study on Working Capital Management with reference to Shirdi Sai Electricals Ltd
28	19701E0029	NAVEEN KUMAR PEDDULLAPALLE	A study on Working Capital Management with reference to Chaitanya Chemicals Pvt Ltd
29	19701E0030	NAVEENKUMAR KATUKUTI	A study on Working Capital Management towards Srikalahasthi Pipes Ltd
30	19701E0031	NAZMA SHAIK GANDHAMVARI PALLI	A study on Ratio Analysis with reference to Heritage Foods Pvt Ltd
31	19701E0032	NITHISHKUMAR RAJU CHAMARTHY	A study on Customer Awareness on Sales Promotion with reference to VK Automobiles India Pvt Ltd
32	19701E0033	PALLAVI POTLA	A study on Capital Budgeting with reference to Anantha PVC Pipes Pvt Ltd
33	19701E0034	PEDDA REDDAIH BOMMANA	A Study on Working Capital Management with reference to Sri Sai Sindhu Industries Ltd
34	19701E0035	PRASANNA KUMAR DEVARASETTY	A study on inventory management with reference to Nandi Pipes Pvt Ltd
35	19701E0036	PRASHANTHI MOOLI	A study on Working Capital Management with reference to Bharathi Cement Corporation Pvt Ltd
36	19701E0037	PRAVALIKA SIDDAREDDY	A study on Customer Satisfaction with reference to Kottha's Ganesh Industries
37	19701E0039	RAMANJINEYULU KENCHANAPALLI	A study on Cash Flow Analysis with reference to Anantha PVC Pipes pvt Ltd
38	19701E0040	RAMEEJA KODIDELA	A study on inventory management with reference to Nandi Pipes Pvt Ltd
39	19701E0042	RAVI P	A study on Working Capital on Profitability with Dhara Sree Ginning & Pressing Factory
40	19701E0043	REVATHI UGGU	A study on Working Capital Management with reference to AndhraPradesh Mineral Development Corporation Ltd
41	19701E0044	RUSHITHA AYYALA	A study on Consumer Satisfaction with respect to Dimensions of SERVICE QUALITY with reference to Vishnu Supermarket
42	19701E0045	SADIK BASHA BANGASH	A study on Mobile Number Portability Bharathi Airtel Ltd Sri Satya Narayana Distributer
43	19701E0046	SASIDHAR NELLEPALLI	A study on Working Capital Management with reference to Hindustan Coco-Cola Beverages Pvt Ltd
44	19701E0047	SATEESH KUMAR	A study on Working Capital Management with reference to UltraTech

		REDDY CHINNAPPAYYAGARI	Cement Pvt Ltd
45	19701E0048	SHAKEER SHAIK	A study on Working Capital Management with reference to Thirumala Milk Diary
46	19701E0049	SHESHA SHAILENDRA MARELLA	A study on Customer Satisfaction with reference to Haroon Bajaj
47	19701E0050	SILPA LAGISETTI	A study on Fund Management and Profitability Project report
48	19701E0051	SIREESHA POLIMERA	A study on Financial Perfomance Analysis with reference to Penna Cement Industries Ltd
49	19701E0052	SIVA NANDINI MANDLA	A study on Customer Perception towards Rajdhani Supermarket
50	19701E0053	SIVAJYOTHI PAPPURI	A study on Financial Ratio Analysis of Apgenco Andhra Pradesh Power Generation Corporation Ltd
51	19701E0054	SIVASAVITHRI SANDULA	A study on Capital Budgeting Techniques with reference to Arjas Steel Pvt Ltd
52	19701E0055	SOWMYA BADRI	A study on Financial Statement Analysis Project Report
53	19701E0056	SREEDHAR BHUVANABOYANA	A study on Working Capital Management with reference to Dixon Technnologies (India)Ltd
54	19701E0057	SREEKANTH SETTINABOINA	A study on Working Capital Management with reference to Hindustan Coco-Cola Beverages Pvt Ltd
55	19701E0058	SREEKANTH THOTA	A study on Working Capital Management of Select Companies with reference to Srikalahasthi Pipes Ltd
56	19701E0059	SREELATHA KOMMA	A study on Altmanz-Score with reference to Anantha PVC pipes pvt ltd
57	19701E0060	SREENU CHATLA	A study on Leverage Analysis with reference to Zuari Cement Ltd
58	19701E0061	SRI LATHA BOLLINENI	A study on Customer Satisfaction with reference to Bharti Airtel Ltd
59	19701E0062	SRIKANTH MANGALI	A study on Capital Budgeting Management with reference to Sri Kalahasthi Pipes Ltd
60	19701E0063	SUDARSHAN CHETALA	A study on Cash Flow Analysis with reference to Bharthi Cement
61	19701E0064	SUJITHA KUMMETHA	A study on Employee Job Satisfaction Project report
62	19701E0065	SUPRIYA DADIREDDY	A study on Working Capital Management in Zuari Cement Ltd
63	19701E0066	SWETHA KOTHAPALLI	A study on Ratio Analysis with reference to Heritage Foods Pvt Ltd
64	19701E0067	TEJASREE GUNDLURU	A study on Financial Performance with reference to Surya Elevators Pvt Ltd
65	19701E0068	VANDANA GANJI	A study on Ratio Analysis with reference to Anantha PVC pipes Pvt Ltd
66	19701E0069	VASANTHA KONDA	A study on Capital Structure Analysis in Bhasker Fertilizers Ltd
67	19701E0070	VENKATA CHALAPATHI	A study on Analysing of Financial Performance using in Trend Analysis of select companies with reference to Anantha PVC Pipes Pvt Ltd

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		VELPULA	
68	19701E0071	VENKATA RAMANA BIRRU	A study on Financial Performance Analysis of Select companies with reference to Surya Elevators Pvt Ltd
69	19701E0072	VENKATA SUBBAIAH ARIBOYINA	A study on Working Capital Management Project Report
70	19701E0073	VENKATESWARA RAJU GADIRAJU	A study on Sales Promotion Techniques with reference to Srikalahasthi Pipes Ltd
71	19701E0075	VENUGOPAL KOMMU	A study on Cash Flow Analysis of Select Companies with reference to Anantha PVC Pipes Pvt Ltd
72	19701E0076	VINAY MULLAGURA	A study on Risk & Return Analysis of Select Companies with reference to National Stock Exchange

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Academic Year 2020-21

Code	Subject	Credits
7P2B61	Seminar	2
7P2B62	Project Thesis / Dissertation	12

A LIST OF PROGRAMMES AND STUDENTS UNDERGONE FIELD PROJECTS

S.NO	REGISTER NUMBER	NAME OF THE STUDENT	TITLE OF THE PROJECT
1.	19705F0001	P. ANITHA	A FRAMEWORK FOR REAL-TIME SPAM DETECTIN IN TWITTER
2.	19705F0002	BHARATHI N	RESEARCH AND APPLICATION OF DATA PRIVACY PROTECTION TECHNOLOGY IN CLOUD COMPUTING ENVIRONMENT BASED ON ATTRIBUTES ENCRYPTION
3.	19705F0003	M.BHAVANI	DETECTING FAKE ACCOUNT ON SOCIAL MEDIA USING MACHINE LEARNING ALGORITHMS
4.	19705F0004	GANGULAKUNTA BHAVYA SREE	FRAUD DETECTION IN CREDIT CARD DATA USING UNSUPERVISED MACHINE LEARNING BASED SCHEME
5.	19705F0005	MUNAGAPATI CHANDRA PRASAD	A CATEGORIZATION OF CLOUD-BASED SERVICES AND THEIR SECURITY ANALYSIS IN THE HEALTHCARE SECTOR
6.	19705F0006	J.DEEPA	USING DATA MINING TECHNIQUES TO PREDICT STUDENT PERFORMANCE TO SUPPORT DECISION MAKING IN UNIVERSITY ADMISSION SYSTEMS
7.	19705F0007	N. ESWARA NANDINI	SMS CLASSIFICATION METHOD FOR DISASTER RESPONSE USING NAÏVE BAYES ALGORITHM
8.	19705F0008	GANGA TEJASWI S	FAST SECURE AND ANONUMOUS KEY AGREEMENT AGAINST BAD RANDOMNESS FOR CLOUD COMPUTING
9.	19705F0009	GEETHA VANI D	CASHLESS SOCIETY MANAGING PRIVACY AND SECURITY IN THE TECHNOLOGICAL AGE
10.	19705F0010	ARITAKULA HARIKA	COMMENTS ON PROVABLE MULTI COPY DYNAMIC DATA POSSESSION IN CLOUD COMPUTING SYSTEMS
11.	19705F0011	KOVVURU HARIKA	TRANSFER LEARNING FOR RECOGNIZING FACE IN DISGUISE
12.	19705F0012	SHAIK IMRAN	PRIVACY-PRESERVING MULTI-KEYWORD SEARCHABLE ENCRYPTION FOR DISTRIBUTED SYSTEMS
13.	19705F0013	JILAN BASHA DURGAM	GROUP KEY MANAGEMENT PROTOCOL FOR FILE SHARING ON CLOUD STORAGE
14.	19705F0014	EEPURI JYOTHI	ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING MACHINE LEARNING ON TWEETS
15.	19705F0015	KAVITHA C	DEREPO: A DISTRIBUTED PRIVACY PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH
16.	19705F0016	N. LAKSHMI	NEW FRAMEWORK OF REVERSIBLE DATA HIDING IN ENCRYPTED JPEG BITSTREAMS
17.	19705F0017	B LAKSHMI PRASANNA	MULTI SOURCE MEDICAL DATA INTEGRATION AND MINING FOR HEALTH CARE SERVICES

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18.	19705F0018	KUNUTHURU MAMATHA	DEEP FACIAL DIAGNOSIS:DEEP TRANSFER LEARNING FROM FACE RECOGNIZATION TO FACIAL DIAGNOSIS
19.	19705F0019	MEESALA MUNEENDRA	IMAGE BASED PLANT DISEASE DETECTION COMPARISON OF DEEP LEARNING AND CLASSICAL MACHINE LEARNING ALGORITHM
20.	19705F0020	U NAVEENDRA KUMAR	DUAL ACCESS CONTROL FOR CLOUD-BASED DATA STORAGE AND SHARING
21.	19705F0021	NAVEEN KUMAR K	A PARALLEL AND FORWARD PRIVATE SEARCHABLE PUBLIC KEY ENCRYPTION FOR CLOUD BASED DATA SHARING
22.	19705F0022	PRASAD KATARI	A SECURE DATA DYNAMICS AND PUBLIC AUDITING SCHEME FOR CLOUD STORAGE
23.	19705F0023	PREETHI N	SCALABLE STRUCTURE LEARNING OF K DEPENDENCE BAYESIAN NETWORK CLASSIFEIR
24.	19705F0024	B.RUCHITHA	PHISHING WEBSITES DETECTION USING MACHINE LEARNING
25.	19705F0025	S. RUKHAYA SULTANA	COST EFFICIENT OUTSOURCED DECRYPTION OF ATTRIBUTE BASED ENCRYPTION FOR BOTH USERS AND CLOUD SERVER IN GREEN CLOUD COMPUTING
26.	19705F0026	SAI KUMAR K	MULTI-AUTHORITY ACCESS CONTROL WITH ANONYMOUS AUTHENTICATION FOR PERSONAL HEALTH RECORD
27.	19705F0027	SAIKIRAN REDDY KOMMA	LEARNING A CONVOLUTION NEURAL NETWORK FOR IMAGE COMPACT RESOLUTION
28.	19705F0028	A.SANDHYA	ANALYZING AND DETECTING MONEY_LAUNDERING ACCOUNTS IN ONLINE SOCIAL NETWORKS
29.	19705F0029	L .SARALA	DESIGNING A DISEASE PREDICTION MODEL USING MACHINE LEARNING
30.	19705F0030	MUTTANA SHASI	A PRIVACY-PRESERVING MULTI-KEYWORD RANKED SEARCH OVER ENCRYPTED DATA IN HYBRID CLOUDS
31.	19705F0031	A.SIDDESWARI	MACHINE LEARNING ALGORITHM FOR STROKE DISEASE CLASSIFICATION
32.	19705F0032	SOUJANYA M	FEATURE-LEVEL RATING SYSTEM USING CUSTOMER REVIEWS AND REVIEW VOTES
33.	19705F0033	A. SREELEKHA	PREDICTING FLIGHT DELAYS WITH ERROR CALCULATION USING MACHINE LEARNED CLASSIFIERS
34.	19705F0034	SRIKANTH E	A RATING APPROACH BASED ON SENTIMENT ANALYSIS FOR FOODAHOLIC
35.	19705F0035	B. SUBAN BASHA	AUTOMATIC COVID-19 DETECTION FROM X-RAY IMAGES USING ENSEMBLE LEARNING WITH CONVOLUTIONAL NEURAL NETWORKS
36.	19705F0036	KOPPARTHI SUNANDA	SPFM: SCALABLE AND PRIVACY-PRESERVING FRIEND MATCHING IN MOBILE CLOUD
37.	19705F0037	THULASI KUMAR MALLEM	NOVEL XG BOOST TUNED MACHINE LEARNING MODEL

			FOR SOFTWARE BUG PREDICTION
38.	19705F0038	G.VANDANA	MACHINE LEARNING BASED RAINFALL PREDICTION
39.	19705F0039	MANJULA VANI	AN EFFICIENT IOT-BASED PLATFORM FOR REMOTE REAL TIME CARDIAC ACTIVITY MONITORING
40.	19705F0040	A. VARALAKSHMI	A COMPUTATIONAL AND ANALYTICAL APPROACH FOR CLOUD COMPUTING SECURITY WITH USER DATA MANAGEMENT
41.	19705F0041	VARA LAKSHMI U	AN EFFICIENT PRIVACY PRESERVING MESSAGE AUTHENTICATION SCHEME FOR INTERNET OF THINGS
42.	19705F0042	V.VINOD KUMAR	SECURE DATA TRANSFER AND DELETION FROM COUNTING BLOOM FILTER IN CLOUD COMPUTING
43.	19705F0043	CHINTHALUGARI YASHODA	ANALYSIS AND PREDICTION OF SUICIDE ATTEMPTS

A Proposed Project Report on

"ROLE OF CONSTRUCTION EQUIPMENTS AND IT'S COSTING"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

by

G.PARAMESWARA	**17701A0140**
J.REDDY SIMHA	**17701A0149**
N.SAI RAM	**18705A0113**
D.PAVAN KALYAN	**17701A0141**
B.RAZEEM BASHA	**17701A0148**

Under the guidance of

Mr.D.Madhu Sudana Reddy

Assistant Professor

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Autonomous)

(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2020-2021

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF CIVILL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled **"ROLE OF CONSTRUCTION EQUIPMENTS AND IT'S COSTING"** is a bonafide project work submitted by

G.PARAMESWARA	17701A0140
J.REDDY SIMHA	17701A0149
N.SAI RAM	18705A0113
D.PAVAN KALYAN	17701A0141
B.RAZEEM BASHA	17701A0148

in the department of CIVIL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in "Civil Engineering" for the academic year 2017-21. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

PROJECT SUPERVISOR

Mr. D.Madhu Sudana Reddy

Assistant Professor (Dept of CE)

HEAD OF DEPARTMENT

Dr.Y.SREERAMULU

Professor (Dept of CE & HOD)

Internal Examiner

External Examiner

Place:

Date:

ABSTRACT

Construction Equipment is the important factor to run the project in a successful manner. This paper elevated on benefits of implementing total Productivity. While purchasing, leasing or renting the equipment, and guide in optimizing the profitability. Methods of life cycle cost estimating and decision methods were researched and compared.

Maintenance and it will also focus on calculating the overall equipment effectiveness. Utilization of machine properly and match their capacities to specific project requirements. Current practices and observations made in Indian construction industry.

The effectiveness of construction machineries is a major factor that differentiates construction companies in terms of heavy construction and light construction. The time and cost of project is most important constraint for the success of project.

Data was acquired from equipment rental companies, construction companies and multiple construction projects. Hypotheses on some expected results were tested. Finally, the findings of this study were compared with findings of questionnaire conducted for finding significant commonalities and differences in equipment management practices. Maximizing the equipment effectiveness 81.5% of a production system.

The objective of the work is to enhance the equipment effectiveness at a construction company. This research work revealed different factors of machinery management. Factors causing cost overrun in the construction projects were ranked on the basis of Relative Importance Index (RII).

Top five significant factors identified were frequent equipment breakdowns, maintenance of equipment, insufficient number of equipment, performance and efficiency of equipment and inadequate modern equipment systems.

CHAPTER 14

CONCULSION

Factors affecting productivity in construction can be divided into two categories: human-related factors and management-related factors. These factors affect the morale and motivation of individuals. Quality of supervision, material management, site planning, constructability, and change management are the most significant managementrelated factors that influence productivity directly. The cost of the project must include the cost of equipment needed to build the project. The constructor must be able to determine, as accurately as possible, the duration of each piece of equipment required for each activity of the project. In our project focused on leading construction equipment planning and management problems in construction projects. The result indicated that idle time, down time, poor equipment maintenance practices, improper determination of economic life and timing of replacement, poor training of equipment operators, equipment breakdown, over maintenance of equipment, huge capital investment during acquisition, balance of interdependent equipment, misunderstanding the scope of work carried out, unit cost of production and equipment suitability for job condition were found to be the major problems that affect construction equipment planning and management. The overall productivity of construction is affected by various reasons. To improve productivity it is essential to improve the performance of the construction systems. The desired production output is achieved through high equipment availability, which is influenced by equipment reliability and maintainability.

The overall equipment efficiency was improved with less idling, low machine breakdown and minimized accident in plants which maximized the productivity rate, optimized process parameter. To improve the production rate of equipment is essential for a construction industry. In equipment management, proper planning, installation, selection, procurement, operation, maintenance and equipment replacement policy plays vital role for successful completion of project. From collected data, it has seen that equipment utilization on site has to be studied in details. The overall productivity of construction is affected by various reasons. The downtime and idle run time of equipment play important role in production. These downtime & idle time factor also effect on total cost of project.

A Project Report On

"A STUDY ON MECHANICAL PROPERTIES OF GRAPHENE OXIDE CEMENT CONCRETE"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

By

C. SAI PRATHYUSHA	**(18701A0157)**
Y. SWETHA	**(18701A0169)**
K. PRAVEEN KUMAR	**(18701A0145)**
P. VENKATA RAMANA	**(19705A0164)**
K. YATEESWAR REDDY	**(19705A0168)**
P. RAM PRATHAP REDDY	**(18701A0151)**

Under the guidance of

Dr. T. NARESH KUMAR.

Associate Professor and Head

Department of Cvil Engineering

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Autonomous)

(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2021-22

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF CIVIL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled **"A STUDY ON MECHANICAL PROPERTIES OF GRAPHENE OXIDE CEMENT CONCRETE"** is a bonafide project work submitted by

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Y. SWETHA	(18701A0169)
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K. YATEESWAR REDDY	(19705A0168)
P. RAM PRATHAP REDDY	(18701A0151)

In the department of CIVIL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in "Civil Engineering" for the academic year 2021-22. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

PROJECT SUPERVISOR
Dr. T. NARESH KUMAR.
Associate Professor and Head
Department of Civil Engineering

HEAD OF DEPARTMENT
Dr. T. NARESH KUMAR
Associate Professor and Head
Department of Civil Engineering

Internal Examiner

External Examiner

Place: Rajampet
Date: 30/5/2022

ABSTRACT

Cement is the main constituent of Concrete as binding and the only component which is scientifically controlled. Now a days, different types of cements are increasingly used in the market asserting the enhanced strength and durability and increase in service life of structure. Laboratory tests like Compressive strength, Wet and Dry, Acid resistance, were conducted to access the robustness of mortar. Graphene is an allotrope of carbon consisting of a single layer of atoms arranged in a two-dimensional honeycomb lattice nanostructure. The use of graphene concrete additives can increase strength, reduce clinker factor in cements (reducing carbon footprint) and potentially increase longevity of products. The technology has the potential to deliver stronger, less permeable concrete structures enabling a new generation of concrete designs. Present research work aims to enhance GO reactivity by increasing its exfoliation and its count by mechanical milling and to exploit it as a low-cost dispersed phase having different sheet thicknesses and sheet sizes for strength enhancement of cementitious matrix by regulating crystal patterns and microstructural features.

KEY WORDS: Graphene Oxide, Cement Mortar, Compressive strength, Cementitious matrix.

CHAPTER 8

CONCLUSION

The level of increase in compressive strength and the reduction in porosity were strongly correlated. The addition of GO reduced the influence of ITZ on the compressive strength. By considering the micro features of ITZ, the accuracy of prediction at macro level would be significantly improved for cementitious materials.

Basic on the experimental work, it can be concluded that;

Graphene oxide is easy to process; it is dispersible in water and other solvent

1. For 0.06% replacement the compressive strength obtained after 28 days of curing at an increment rate. The increment of compressive strength could be due to development of hydration crystals. And decrease in strength at 0.08% could be due to agglomeration.
2. The Split tensile test of conventional Concrete is2.51N/mm^2 up to 0.06% of replacement in grapheme oxide there is increase in split tensile test, the test result shows for 28days.The increment is split tensile strength that 0.06% could be due to inter layer bonding between GO sheets.
3. Addition of Graphene Oxide enhance the strength of concrete. The 7 days, 14days,28days of compressive strength and split tensile strength were maximum at 0.04% GO over and above this dosage both the strengths tends to decrease this could be due to the dispersion and agglomeration of GO flakes.

A Project Report on

Hydrophobic Concrete by Using Water Paper Sludge Ash

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

NAME:-	ROLL NUMBER:-
M.HARSHITHA	18701A0129
G.GANESH	19705A0114
M.MANOJ KUMAR	18701A0137
C.GANESH REDDY	18701A0122
G.BHAVANA	18701A0117

Under the esteemed guidance of

Mr. G. NAVEEN KUMAR, M.Tech
Assistant professor,
Department of CIVIL ENGINEERING.

Submitted to

DEPARTMENT OF CIVIL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
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New Boyanapalli, Rajampet, Kadapa Dist-516126.

2021-2022

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF CIVIL ENGINEERING

BONAFIDE CERTIFICATE

This is to **certify** that the **project report** entitled "**HYDROPHOBIC CONCRETE BY USING WASTE PAPER SLUDGE ASH**" is submitted by

NAME:-	**ROLL NUMBER:-**
M.HARSHITHA	**18701A0129**
G.GANESH	**19705A0114**
M.MANOJ KUMAR	**18701A0137**
C.GANESH REDDY	**18701A0122**
G.BHAVANA	**18701A0117**

During the **Academic Year 2021-2022** in partial fulfillment of requirements for the award of degree of **Bachelor of Technology** in **"CIVIL ENGINEERING"** to Jawaharlal Technological University, Anantapur is a bonafide work carried out by them under my guidance and supervision. The results embodied in the project report have not been submitted to any other university or institute for the award of any degree.

Project Guide
Mr.G.NAVEENKUMAR,M.Tech
Assistant Professor,
Department of CE.

Head of the Department
Dr.T.NARESHKUMAR,M.Tech,ph.D
Associate professor & HOD
Department of CE.

INTERNAL EXAMINER
Date: 28/05/2022

EXTERNAL EXAMINER

ABSTRACT

The plausibility of involving a minimal expense very hydrophobic powder as water opposing admixture or water-repllent surface covering for concrete has been examined. The powder was delivered from paper slop debris (PSA), a result from the production of reused paper. The impact of hydrophobic PSA on functionality, strength and transport properties, including sorptivity, water retention, diffusivity, penetrability and electrical conductivity is accounted for. Tests were ready at water/cement proportion of 0.4, relieved as long as 28 days and adapted at 50 centigrade to steady mass before testing. It was observed that supplanting Portland concrete with 10% hydrophobic PSA diminished water assimilation, sorptivity and conductivity by 84%, 86% separately, with no major hindering consequences for hydration, strength and thickness. At the point when utilized as a surface covering, the hydrophobic PSA diminished both retention and sorptivity by 85 almost 100% relying upon the glue utilized. Tests surface covered with hydrophobic PSA showed fantastic water repulsing and self-cleaning characteristics. The water contact point depends on drop in the outer layer of hydrophobic cement.

Keywords:- Hydrophobicity, quartz, contact angle(CA), Water-repellency, Nanoparticles

CHAPTER - 6

CONCLUSION

- ✓ This study analyzed the impact of a super-hydrophobic powder got from squander paper sludge ash(PSA) on a scope of properties of glues and cements at water/concrete proportion of 0.45 and restored for as long as 28 days.

- ✓ The point was to decide the attainability of the super-hydrophobic PSA as an indispensable water-opposing admixture or as water-repellent surface covering for concrete.

- ✓ Super-hydrophobic PSA is exceptionally compelling at diminishing both the sum and pace of fine water assimilation. Incomplete supplanting of concrete with 10% super-hydrophobic PSA and 10%.

- ✓ Quartz diminished water ingestion in concrete by 83-84% and diminished sorptivity by 83-86% comparative with the control concrete ready at a similar water/concrete proportion, relieving age and molding system.

- ✓ Electrical conductivity was diminished by up to 85% in light of the decreased inner dampness content. These impacts expanded with an expansion in PSA content.

- ✓ Examination with information from the writing recommends that the presentation of the super-hydrophobic PSA is comparable/better than many water-opposing admixtures and surface medicines.

- ✓ The super-hydrophobic PSA is likewise ready to diminish sorptivity past the level that can be accomplished by a low w/c proportion, delayed restoring or joining of receptive pozzolans.

- ✓ The utilization of the solidifying assurance materials with substantial blend affects concrete porousness, where the retention of water has decreased emphatically. All admixtures contents reduced concrete porousness yet with various viability.

- ✓ Two percent expansion of the fluid material edge partner upgraded compressive strength, showing better dispersion of watery material in the combination. Despite the moderate decrease in strength due to the addition of cementitious admixture, the pace of solidarity gain was significantly higher.

- ✓ For instance, 2% cementitious admixture to concrete gave a lift to strength values from day 7 to day 28, where an increment of 37% in strength was accomplished in that period. Though untreated concrete accomplished an increment of 11% during the same period.

- ✓ In general, treating concrete with a grouping of 2% admixture gave ideal execution as far according to meability, and it diminished water assimilation rate to an almost of 0. 81% of the 28-day control strength was accomplished by adding 2% of material LYN-1to the substantial blend, which makes this extent of admixture the best one regarding this situation of strength.

- ✓ This material has likewise exhibited preferred supportive of section over fluid hydrophobic admixture. Regardless of expanding the functionality of concrete when adding a high rate (8%) of hydrophobic admixture, neither isolation nor warm breaking has taken place.

- ✓ The aimed to transform a porous, hydrophilic cement mortar surface into a hydrophobic surface by chemical modification.

- ✓ Producing a hydrophobic coating with a mortar. The WCA of the hydrophobic coating was 140^0, and it had good water proofing and wear resistance.

- ✓ Provide durable repairs that will last for long period of times. Strength is same as that of ordinary cement.

- ✓ Sets and hardens fast, normally three minutes after being mixed with water. Setting time is fast, hardens fast, thus it can be painted within one hour of it being applied.

A Proposed Project Report On

"AN EXPERIMENTAL STUDY ON ECONOMICAL CONCRETE BY PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH JHAMA BRICK AGGREGATES"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

CIVIL ENGINEERING

By

R PRIYANKA	**(17701A0142)**
D PURUSHOTTAM REDDY	**(18705A0112)**
L RAJA MAHESHWAR REDDY	**(17701A0143)**
S TAHEER	**(17701A0157)**
T RAVI SHANKAR	**(17701A0146)**

Under the guidance of

Miss. K RAJITHA, M.Tech
Assistant professor

Submitted to

DEPARTMENT OF CIVIL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Autonomous)
Approved by AICTE, JNTUA, Ananthapuram, Accredited by NBA, NAAC & IEI
New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2020-21

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF CIVIL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled **"AN EXPERIMENTAL STUDY ON ECONOMICAL CONCRETE BY PARTIAL REPLACEMENT OF COARSE AGGREGATE WITH JHAMA BRICK AGGREGATES"** is a bonafide project work submitted by

R PRIYANKA	**(17701A0142)**
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L RAJA MAHESHWAR REDDY	**(17701A0143)**
S TAHEER	**(17701A0157)**
T RAVI SHANKAR	**(17701A0146)**

In the department of **CIVIL ENGINEERING** in partial fulfillment of requirements for the award of degree of Bachelor of Technology in **"Civil Engineering"** for the academic year 2020-21. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

Rajitha

PROJECT GUIDE

Name: Miss. K.RAJITHA, M. Tech,
Designation: Assistant Professor

HEAD OF DEPARTMENT

Dr. Y. SREERAMULU
Professor

Rajitha

Internal examiner

External Examiner

Place: Rajampet
Date: 26/06/21

ABSTRACT

In present days, Concrete is the most widely used structural material for all types of construction. Concrete plays a vital role in the development of infrastructures. Typical concrete mixtures are comprised of water, sand, cement and an aggregate of rock. This project focuses on the coarse aggregate in concrete. Due to required strength properties, long life and sustainability the use of concrete is increasing day by day but for effective utilization of concrete, the required properties has changed along with the technological advancement. This research was conducted to study the possibility of utilizing the crushed over burnt bricks as an aggregate that can be used in the place of natural stone aggregate. And this project presents the effects of Jhama class brick inclusion on the mechanical properties of concrete mix in the hardened state properties. Over brunt bricks are produced by burning the raw materials along with good quality bricks. Due to its distorted shape, over brunt bricks are considered as a source of aggregate. Jhama bricks are solving the problem of shortage of aggregate. The compressive strength and split tensile strength of the concrete is the major concern of this study by replacing the natural aggregate through crushed over burnt brick aggregate. The varying percentage replacement of coarse aggregate by Jhama bricks as 20%, 40%, 60% and 80% respectively. Trail mixes were prepared using the crushed over burnt bricks in place of coarse aggregates for M30 concrete to study compressive strength and split tensile strength. For 40% of the time, the compressive strength and tensile strength is at its maximum

CHAPTER 10

CONCLUSION

Based on the results of the experiments, the following conclusions were reached:

- The compressive strength of conventional concrete is 38.5 N/mm^2 up to 40% partial replacement of Jhama brick aggregate, as the test results reveal for 28 days, and it lowers at 60% partial replacement of Jhama brick aggregates.

- split tensile strength of conventional concrete is 4.8 N/mm^2 up to 40% of partial replacement of Jhama brick aggregate there is an increase of strength, as the test result shows for 28 days & it decreases at 60% replacement of Jhama brick aggregates.

- So present experimental study concludes that **20% & 40%** replacements can be considered as the optimum percentage replacement of coarse aggregate with Jhama brick aggregate is preferred.

A Project Report On

"A STUDY ON CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH BARYTE POWDER AND BASALT FIBERS"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

CIVIL ENGINEERING

By

U. SUBBARAYUDU	**(17701A0162)**
A. SRI HARI	**(17701A0161)**
Y. NIRANJEN SURJITH KAUMAR	**(17701A0138)**
P. VENKAT SAI KUMAR REDDY	**(17701A0169)**
P. SASHIKANTH YADAV	**(18705A0116)**

Under the guidance of

Mr. V.HANEEF M.Tech.

ASSISTANT PROFESSOR

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Autonomous)

(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

New Boyanapalli, RAJAMPET--516 126.

2020-2021

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF CIVIL ENGINEERING

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P. SASHIKANTH YADAV	**(18705A0116)**

in the department of CIVIL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in **"Civil Engineering"** for the academic year 2017-2018. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

PROJECT GUIDE
Mr. V.HANEEF. M.Tech,
Assistant Professor

HEAD OF DEPARTMENT
Dr.Y.SREERAMULU
Professor& HOD

Internal Examiner

External Examiner

PLACE: RAJAMPET
DATE 26-06-2021

ABSTRACT

This paper presents the comparative study of basalt fiber and baryte powder on compressive, split tensile and flexural strength of the M30 Grade concrete. The baryte powder is to be mixed in the concrete by the composition of 2.5% to 10% of the total weight of cement in concrete. The basalt fiber is to be mixed in the concrete by 1%,1.5%,2% of the total weight of cement in concrete. Basalt is a fiber it will be divided from volcanic rock. Basalt is quarried, crushed and washed and then melted at 1500° C. Basalt fiber has higher working temperature and has a good resistance to chemical attacks, impact load and fire resistance. Barite is a mineral containing barium sulfate. It has a specific gravity of 4.3-5.the barium sulfate barite takes its name from the Greek word berries, which means heavy a reference to its high specific gravity. Barite crystals are colorless, white, light shades of blue, yellow, grey. Glass, Carbon and polyamide fibres are commonly used in manufacturing of reinforcing bars for concrete applications. Recent development in fibre production technology allows the making of basalt fibres which is made from basalt rock. This technology mainly developed in USSR. Basalt fibre have properties such as good range of thermal performance, high tensile strength, good electromagnetic properties, inert nature; and resistance to acid, radiation, UV light, vibration and impact loading. This paper discusses about their mechanical properties of the concrete. The basalt fibres manufactured mainly in Eastern Europe, Russia and USA, now in Israel and China. Finally, it is concluding that this is low-cost material and possible to manufacture in India also because large availability of basalt rock (nearly 5, 00,000 sq. km).

Keywords: concrete, compressive strength, split tensile strength, fluxeral strength, cement,curing

Chapter - 6

6.CONCLUSION.

1. In the current investigation, 1 %, 1.5%, and 2%, barite powder are used to partially replace cement. 2.5 %, 5%, and 7.5% barite powder are also included.
2. The influence on compressing, breaking tensile and bending strength of concrete M30 is investigated by combining barite powder and basalt fibers.
3. The testing of concrete samples and the combined application for material characteristics of Barite powder and Basalt fibres.
4. Curing was performed at ages 7, 14, and 28 days, with compression, break tensile, and flexure tensile measures performed at 28 days.
5. The mix proportion of concrete using 1 percent basalt fiber replaced along with 2.5 percent barite powder with the cement improves the mechanical properties of concrete, whereas using 1.5 percent basalt fiber replaced along with 5 percent barite powder increases the mechanical properties of concrete, i.e., compressive strength, split tensile strength, and flexural strength. The overall partial replacement of fibers with cement material is 2%. More than 2% of fibers used in mix construction to reduce the mechanical properties of concrete.
6. In the current study, incorporating barite powder and basalt fiber into concrete improves its mechanical properties.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

ACADEMIC YEAR 2020-21

IV Year B.Tech. I Semester

Subject Code	Subject Name	Hours / Week			C
		L	T	P	
7G271	Power Semiconductor Drives	3	1	--	3
7G373	Digital Signal processing	3	1	--	3
7G576	Management Science	3	1	--	3
	Open Elective	3	1	--	3
	Professional Elective -I	3	1	--	3
	Massive open online course	--	--	3	3
7G276	Power System Lab-II	--	--	3	2
7G277	Microprocessors & Microcontrollers lab	--	--	3	2
7G278	**Industrial Internship/ Mini project**	--	--	3	2
7G279	Comprehensive Electrical & Electronics Engineering	--	--	2	1
	Total	**15**	**5**	**14**	**25**

IV Year B. Tech. II Semester

Subject Code	Subject Name	Hours /Week			C
		L	T	P	
	Professional Elective -II	3	1	--	3
	Professional Elective -III	3	1	--	3
	Professional Elective -IV	3	1	--	3
7G28A	Seminar-III	3	--	2	1
7G289	Project Work	--	--	8	8
	Total	**9**	**3**	**10**	**18**

Note: L - Lecture; T-Tutorial; P – Practical; C – Credits

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES :: RAJAMPET

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

Batch :2017-2021

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	17701A0238	K.PAVAN KALYAN	Dr.S.Suresh	Energy management system for small scale hybrid wind solar battery based Microgrid
	17701A0208	C.BHARATHKUMAR		
	17701A0214	D.DASTHARIGI		
2	17701A0204	J.AMRUTHA VARSHINI	Dr.O.Hemakesavulu	Implementation of solar PV-battery and diesel generator based electric vehicle charging station
	17701A0229	D.MANIDEEP		
	17701A0210	D.BHAVANA		
	17701A0221	M.JAKEER HUSSIAN		
3	17701A0215	B.GEETHANJALI	Dr.P.B.Chennaiah	Battery energy storage for seamless transitions of wind generation in standalone Microgrid
	17701A0213	T.CHARAN KUMAR		
	17701A0218	S.HIMA BINDU		
	17701A0231	G.MURALI MOHAN		
4	17701A0243	N.PURUSTHOTHAM REDDY	Dr.M.Padma Lalitha	Smart security solutions based on IOT
	17701A0245	B.RAJASHEKAR		
	17701A0241	B.PRAKASH REDDY		
	17701A0222	Y.JAYA CHANDRAHASHREDDY		
5	17701A0225	K.KASTHURI	Mrs.S.Sarada	Multilevel Torque Hysteresis-Band based Direct-Torque control strategy for a three level open-end winding induction motor drive for electric vehicle
	17701A0237	C.PALLAVI		
	17705A0223	S.JYOTHSNA		
	17701A0232	V.NAGA NANDINI		
6	17701A0242	G.PRAVEENA	Mr.M.Ramesh	Flexibility provisions from a fast charging facility equipped with DERs for wind integrated grids
	17701A0234	G.NAGA VENI		
	17701A0246	S.RAMUDU		
	17701A0205	K.BALARAMA KRISHNAREDDY		

Head of the Department
Electrical & Electronics Engineering
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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
7	17701A0247	T.RAMYA	Mr.L.Baya Reddy	Modeling and implementation of switching bidirectional buck boost converter based electric vehicle hybrid energy storage for V2Gsystem
	17701A0230	N.MOUNIKA		
	17701A0228	A.MALLIKARJUNA		
	17701A0244	V.RAJAREDDY		
8	17701A0212	K.CHANDRA MOULESWAR REDDY	Dr.Pasala Gopi	Simulation of wind turbine by using vector controlled induction motor drive
	17701A0248	D.REDDY MADHAVI		
	17701A0241	C.PRASANNA		
	17701A0217	A.HARI KIRAN		
9	17701A0233	K.NAGA SIVUDU	Mr.N.Sreeramula Reddy	Testing lifecycle of electric loads using Down counter
	17701A0211	G.CHANDRAOBUL REDDY		
	17701A0236	K.NOVA		
	17701A0227	S.M.SALLEM		
10	17701A0216	S.GIRIDHAR	Mr.K.Harinath Reddy	Air quality monitoring using ML
	17701A0207	K.BHARATHKUMAR		
	17701A0202	S.AKBARBHASHA		
	17701A0224	R.KAMALCHANDU		
11	17701A0209	T.BHARGAV	Mr. K.Manohar	Control strategies for securing AC/DC Transmission networks with renewable energy sources
	17701A0220	D.JAHNAVI		
	17701A0219	D.HUSSAINI		
	17701A0201	Y.ABDULLA		
12	17705A0239	N.PAVANI	Mr.P.Ayubkhan	Raspberry Pi based automated waste management system
	17701A0235	K.NAVEEN KUMAR		
	17701A0203	M.ALEKHYA		
	17701A0226	P.MADHU YADAV		

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
Batch :2017-2021

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	18705A0222	B.PREETI	Dr.P.B.Chennaiah	Development of dual axis solar tracking using Arduino
	18705A0204	G.BHARGAVI		
	18705A0210	S.HARI BRAMHAIAH		
	18705A0231	K.SATISH KUMAR		
2	18705A0220	Y.PRADEEP REDDY	Dr.B.Madhusudhan Reddy	An Inductive Hybrid UPQC for power quality management in premium power supply required applications
	18705A0219	G.PAVAN KALYAN		
	18705A0225	K.RAJESH REDDY		
	18705A0207	H.R.DATTAKIRAN		
3	18705A0221	M.PRASAD	Mr.S.Muqthiar Ali	Green Campus With Internet of Things
	18705A0208	P.GANESH		
	18705A0236	A.UDAY KIRAN		
	18705A0224	K.RAJESH		
4	18705A0211	A.HARSHA VARDHAN REDDY	Dr.Pasala Gopi	Estimation Based extremum seeking control for improving the energy efficiency of PV system
	18705A0217	S.OBUL NAIDU		
	18705A0230	S.M.SAMIULLA		
5	18705A0228	S.SIVA KARTHIK	Mr.M.Mahesh	Voltage Sag enhancement of grid connected hybrid PV-Wind power system using Battery and SMES based Dynamic Voltage Restorer
	18705A0227	P.SAI GIREESH		
	18705A0201	G.ARUN SAI		
6	18705A0215	K.NAGA LEELA	Mr.P.Ravindra Prasad	Dynamic charging scheduling for EV parking lots with Photo voltaic power system
	18705A0213	S.KIRAN KUMAR REDDY		
	18705A0216	M.NAGA RANI		
	18705A0233	K.SREE HARSHA KUMAR		
7	18705A0234	S.SRINADH	Mr.Y.Rajasekhar	Smart care Health monitoring system based on IoT
	18705A0223	M.RAJEEV		
	18705A0237	K.VENKATA RAMANA		
8	18705A0214	L.S.MOHAMMED HANEEF	Mr.B.Murali Mohan	Integrated power quality monitoring mechanism at microgrid
	18705A0203	B.BALAJI BABU		
	18705A0238	P.VINOD KUMAR		
	18705A0202	Y.BALA GANGADHAR REDDY		

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S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
9	18705A0218	N.PAPAIAH	Mr.M.SAI SANDEEP	A Composite sliding mode Controller for Wind power extraction in remotely located solar PV-Wind Hybrid system
	18705A0209	B.GURUNARAYANA		
	18705A0226	V.REDDY ESWAR REDDY		
	18705A0235	P.UDAY BHARGAV		
10	18705A0206	P.DASTAGIRI	Mr.S.S.Deekshith	An Implementation of Solar PV array Based Multifunctional
	18705A0212	A.JAYANTH NAIDU		
	18705A0232	G.SHIVA KUAMR		
	18705A0229	C.SAI PRANEETH		

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Batch :2017-2021

S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
1	17701A0266	D.SUPRIYA	Dr.O.HEMAKESAVULU	High Efficiency Bridgeless single power conversion Battery charger for light electric vehicles
	17701A0258	P.SIVA KAVITHA		
	17709A0202	M.MANASA SAI		
	17709A0207	K.SHIVA KUMAR		
2	17701A0268	G.SUSHMA	Dr.M.PADMA LALITHA	Cooperative Optimization of Electric Vehicles in Microgrids considering Across Time and space energy transmission
	17701A0260	G.SREELATHA		
	17701A0283	P.VIJAY KUMAR		
	17709A0209	S.TEJASH REDDY		
3	17701A0267	K.SUPRIYA	Mr.D.SAIKRISHNA KANTH	Minimising the Electricity theft using Internet of Things
	17701A0272	D.VARA PRASAD		
	17701A0284	T.VINEELA		
	17701A0257	M.SIVA SAI KUMAR		
4	17701A0252	K.SAI DIVYA	Mr.R.Madhan MOHAN	Single Stage Autonomous solar water pumping system through PMSM Drive
	17701A0253	D.SAI HARSHA VARDHAN REDDY		
	17701A0254	S.SARA DIVYA TEJA		
	17701A0251	P.SAI VARDHAN		
5	17701A0264	G.SUKUMAR REDDY	Mr.C.Ganesh	A generalized discontinuous PWM scheme for 3-level NPC traction inverter with minimum switching loss for electric vehicles
	17701A0271	K.UMA MAHESH KUMAR		
	17701A0270	D.UMAKANTH REDDY		
	17701A0277	C.VENKATA SUBBAIAH YADAV		
6	17701A0282	P.VINEELA	Mr.P.Bhaskara PRASAD	Coordinated Fuzzy- based low voltage Ride through control for PMSG Wind turbines and Energy Storage systems
	17709A0205	M.NARESH		
	17701A0262	L.SREENIVASULU REDDY		
	17701A0274	S.SAI DEEKSHITHA		

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S.No	Batch Roll Nos	Name of the Student	Guide Name	Title of Project
7	18700A0201	A.VEERA SIVA REDDY	Dr.S.SURESH	Practical Energy management system for isolated Microgrid
	17709A0201	J.KARTHIK		
	17701A0256	V.SIVA MOHAN REDDY		
	17701A0280	N.VENKATA SUDHA		
8	17701A0265	D.SUNEETHA	MS.P.JYOSHNA	A Decentralized dynamic load power allocation strategy for fuel cell /super capacitor based APU of large more electric vehicles
	17709A0206	P.NIHARIKA		
	17701A0273	R.VEERA MAHESH		
9	17709A0204	D.MUNI CHANDANA	Dr.B.MADHUSUDHAN REDDY	Power flow control strategy based on voltage vector distribution for dual power electric vehicle with an open end winding motor drive system
	17709A0203	K.MANJUSHA		
	17701A0275	V.VENKATA SAI REDDY		
	17701A0263	P.SRINIVASULU		
10	17701A0279	L.VENKATA RAMI REDDY	Mr.P.Suresh BABU	Industrial Based smart emergency response system for fire disaster using IoT
	17701A0281	C.VENKATESH		
	17709A0208	G.SIVAKUMAR REDDY		
	17701A0278	P.VENKATA SUBRAMANYAM		
11	17701A0269	B.TRIVENI	Mrs. M. MARUTHI NANDINI	IoT based traffic sign detection and violation control
	17701A0261	S.SREEJA		
	17701A0250	M.SAI SRAVANI		

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Accredited by NAAC of UGC, BANGALORE.
Rajampet, Kadapa (Dist.), A.P-516126.

CERTIFICATE

This is to certify that the project work entitled.

A COMPOSITE SLIDING MODE CONTROLLER FOR WIND POWER EXTRACTION IN REMOTELY LOCATED SOLAR PV-WIND HYBRID SYSTEM

Is a benefited record of work done by

N.PAPAIAH (18705A0218)

B.GURUNARAYANA (18705A0209)

V.REDDEESWAR REDDY (18705A0226)

P.UDAY BHARGAV REDDY (18705A0235)

In partial fulfilment of the requirements for the award of degree of **Bachelor of Technology** in the **E.E.E.** during the year **2020-2021.**

SIGNATURE OF THE GUIDE

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Assistant Professor,
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Dr.M. PADMALALITHA, MTech., Ph.D.,
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CONCLUSION

A construction procedure of a hybrid PV-wind energy system with battery was presented. The outlined technique defines optimum hybrid energy system configuration and control criteria. It needs sliding mode control strategy to get the power tracked in the PV and wind power generation. The simulation results are discussed here and the results prove that the proper tracking of MPPT using the sliding mode control.

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A

Project Report on

VOLTAGE SAG ENHANCEMENT OF GRID CONNECTED HYBRID PV-WIND POWER SYSTEM USING BATTERY AND SMES BASED DYNAMIC VOLTAGE RESTORER

Submitted in partial Fulfilment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

S. SAIKARTHIK (18705A0228)

P. SAI GIREESH (18705A0227) G. ARUN SAI (18705A0201)

Under the esteemed guidance of

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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

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CERTIFICATE

This is to certify that the project work entitled "**VOLTAGE SAG ENHANCEMENT OF GRID CONNECTED HYBRID PV-WIND POWER SYSTEM USING BATTERY AND SMES BASED DYNAMIC VOLTAGE RESTOTER**" is a bonafide record of work done by

S. SAIKARTHIK (18705A0228)
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CONCLUSION

In this paper, a voltage sag enhancement of sensitive load which gets power from grid connected PV-wind power system is demonstrated using HES based DVR. The proposed DVR targets to protect the sensitive load from being affected by any voltage fluctuation which arise either from fault condition or unstable power output of PV-wind system. The control and operations of BES and SMES devices is developed by observing voltage condition of the grid at the PCC and the SOC levels of battery and SMES. In addition to this, for full realization of the proposed DVR system the control and operation of the VSC is developed by observing the voltage level at the PCC. The pre-sag compensation strategy is selected based on the capability of both magnitude and phase jump restoration. Based on the conditions, three operating states of the HES based DVR are defined, which are normal (idle state), charging state and discharging state. The effectiveness of the proposed operating states has been demonstrated in realistic cases. In the simulation, different voltage sag depth scenarios are considered for both symmetrical and asymmetrical voltage imbalances and the HES based DVR works well. A combination of voltage sag, voltage swell and harmonics scenarios will be demonstrated in the future works.

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POWER FLOW CONTROL STRATEGY BASED ON THE VOLTAGE VECTOR DISTRIBUTION FOR A DUAL POWER ELECTRIC VEHICLE WITH AN OPEN END WINDING MOTOR DRIVE SYSTEM

A Thesis

Submitted in partial fulfillment of the
Requirements for the award of the Degree of
BACHELOR OF TECHNOLOGY

in

ELECTRICAL & ELECTRONICS ENGINEERING

By

D. MUNI CHANDANA 17709A0204

K. MANJUSHA 17709A0203

V. VENKATASAI REDDY 17701A0275

P. SRINIVASULU 17701A0263

Under the esteemed guidance of

Dr. BOLLA MADHUSUDHANA REDDY, M.Tech,Ph.D
Associate Professor

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CERTIFICATE

Certified that this is a bonafide record of the dissertation work entitled, **"Power flow control strategy based on the voltage vector distribution for a dual power electric vehicle with an open-end winding motor drive system"**, done by

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K. MANJUSHA	-	17709A0203
V. VENKATASAI REDDY	-	17701A0275
P. SRINIVASULU	-	17701A0263

submitted to the faculty of Electrical Engineering, in partial fulfillment of the requirements for the Degree of **BACHELOR OF TECHNOLOGY** with specialization in **ELECTRICAL & ELECTRONICS ENGINEERING** from Annamacharya Institute of Technology and Sciences, Rajampet.

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Dr. M. Padma Lalitha, M. Tech. Ph. D
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6.1 CONCLUSION

The proposed voltage vector distribution strategy is based on the analyses of the overlapping area of the two inverters' modulation ranges. The interaction of the two inverters' modulation capability is considered comprehensively. Every vertex and every side of the feasible region of the voltage vector distribution is covered so that this feasible region is fully utilized and the range of power sharing between the two inverters is maximized.

The wide usage of basic and saturated voltage vectors lowers the inverter switching frequency and relieves the defect of high inverter loss of the dual inverter configuration. By programming the power flow properly, this system can also handle the energy management between the two power sources in electric vehicles. The dual-inverter open winding drive system with two isolated power sources could be a competitive candidate for electric vehicle applications.

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A DECENTRALIZED DYNAMIC LOAD ALLOCATION STRATEGY FOR FUEL CELL/SUPERCAPACITOR-BASED APU OF LARGE ELECTRIC VEHICLES

A

Project Report

Submitted in partial fulfillment of the

Requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

By

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P. Niharika	17709A0206
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2020-2021

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CERTIFICATE

This is to certify that the project work entitled

A DECENTRALIZED DYNAMIC LOAD ALLOCATION STRATEGY FOR FUEL CELL/SUPERCAPACITOR-BASED APU OF LARGE ELECTRIC VEHICLES

is a bonafide record of work done by

D. Suneetha	**17701A0265**
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In partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in **Electrical And Electronics Engineering** during the year **2020-2021.**

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7. CONCLUSIONS

A decentralized dynamic load allocation strategy was proposed for FC/SC-APU to be used in large electric vehicles in this project.The proposed strategy adopts a mixed droop control strategy, which uses a VRD for the Fuel Cell unit and an AVID for the SC unit. With the proposed control, the load power can be automatically split into low and high frequency PWM pulses and allocated to the Fuel Cell and SuperCapacitor units respectively. Depending upon the number of charges present in Supercapacitor (It can be known through 'State of Charge' range) load allocation will be done. No communication and common signals are needed in the implementation. which indicates high flexibility and scalability.

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A GENERALIZED DISCONTINUOUS PWM SCHEME FOR 3-LEVEL NPC TRACTION INVERTER WITH MINIMUM SWITCHING LOSS FOR ELECTRICAL VEHICLES

A

Project Report

Submitted in partial fulfilment of the Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

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K. Umamahesh kumar (17701A0271)

D. Umakanth reddy (17701A0270)

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A GENERALIZED DISCONTINUOUS PWM SCHEME FOR 3-LEVEL NPC TRACTION INVERTER WITH MINIMUM SWITCHING LOSS FOR ELECTRICAL VEHICLES

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CHAPTER 6
CONCLUSION

Through the connecting of the phases to a series of capacitors, the diode clamped inverter delivers various voltage levels. By increasing the number of capacitors, the principle may be extended to any number of levels. Two capacitors are connected across the dc bus, resulting in one more level, limiting this design to three levels. Because the extra level was the dc bus's neutral point, the name "neutral point clamped inverter" was coined. The neutral point is not accessible when there are an even number of voltage levels, thus the term many points clamped is used. The diode clamped inverter implementation has been restricted to three levels due to capacitor voltage balancing problems. The three-level inverter has become widely utilised in industrial applications as a result of recent technological advancements.

A Project Report on

"FABRICATION OF XY PLOTTER"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

by

S.CHANDRASEKHAR	**18705A0306**
K.MARUTHI	**18705A0315**
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D.M.CHARAN	**17701A0312**

Under the guidance of

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Submitted to

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF MECHANICAL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled "FABRICATION OF XY PLOTTER" is a bonafide project work submitted by

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K.MARUTHI	18705A0315
P.ABHIRAM	17701A0302
D.M.CHARAN	17701A0312

in the department of MECHANICAL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in "Mechanical Engineering" for the academic year 2020-2021. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

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External Examiner

Place:

Date:

ABSTRACT

XY Plotter is an embedded system that works based on the principle Computer Numerical Control. XY Plotter basically works with two stepper motors and a servo motor, wherein the robot plots the input given from the computer on the drawing board using ATMEGA328p microcontroller on a open-source physical computing platform Arduino. The XY plotter has a two axis control and a special mechanism to raise and lower the pen. Each axis is powered and driven by using an Arduino compactable driver A4988.

The plotter works more efficiently, which is used to recording or plotting two dimensional data on a rectangular coordinate system. In this, Arduino compatible main board with two stepper motors for ease moving of pen holder and servo motor is used to lift the pen. For this we are using the software like Arduino IDE software and G code converter. This improvesthe efficiency which produces large and complex drawings.

CHAPTER – 5

CONCLUSIONS

5.0 EXPERIMENT AND RESULT

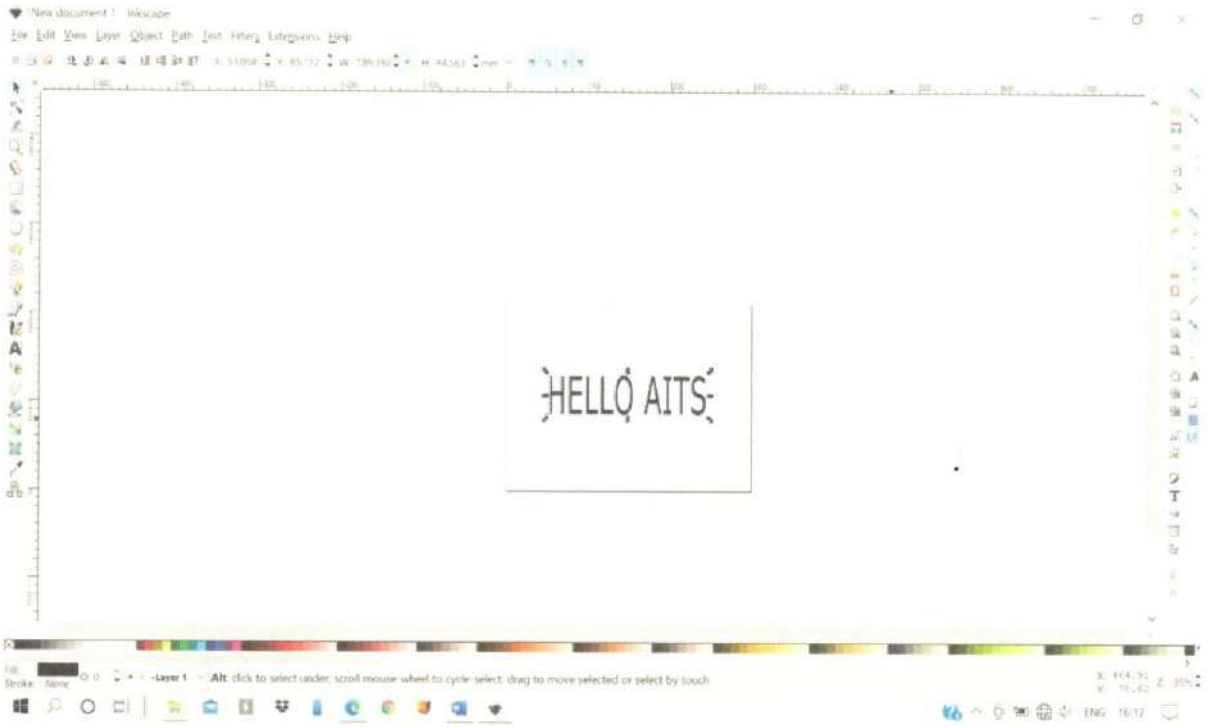

Fig 5.1: INKSCAPE INTERFACE

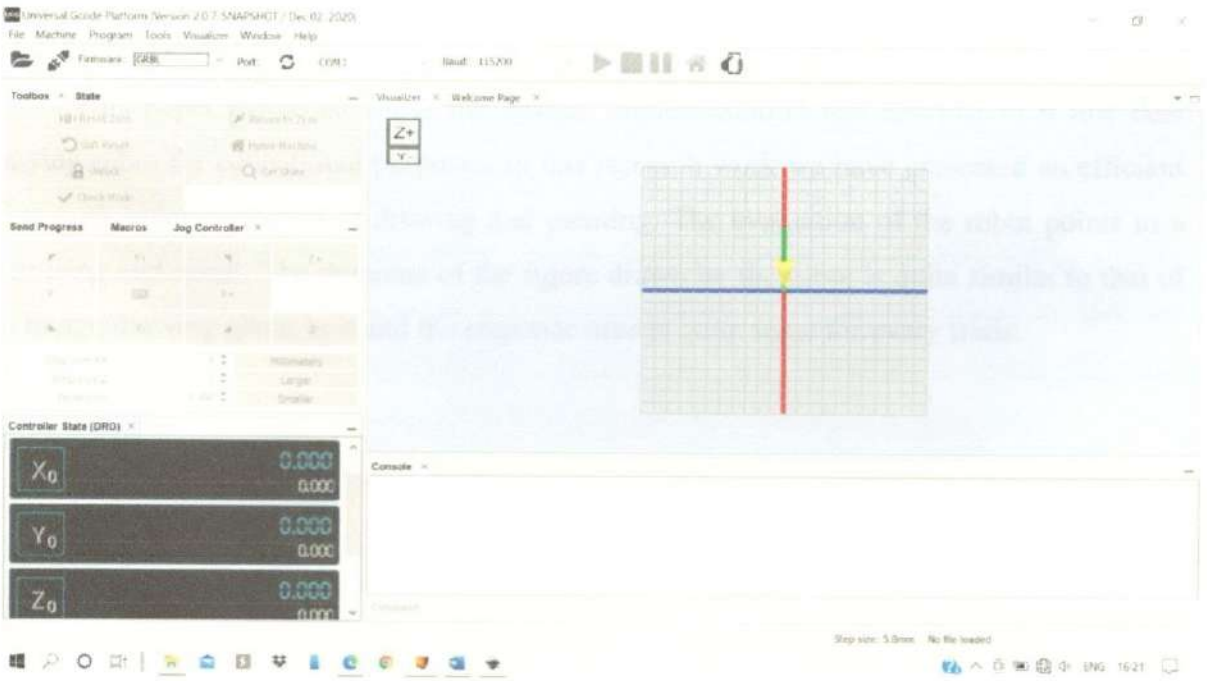

Fig 5.2: Visualization of drawing in UGS

The images to be drawn by the robot is first drawn/imported using Processing software. Then it is converted G-code file. This can be done using the extension that we added to the Processing Software (Inkscape). Processing Software can also be used to control the servomotor for pen up and pen down motion. Here you can adjust the x axis and y axis speed.

Also, we can adjust the servo rotation angle. The grbl library generated is uploaded into Arduino. With the help of Universal G-code sender the COM port and appropriate baud rate can be selected. The drawing robot is adjusted to origin using machine control. We can also see how much time it will take to complete drawing our image as shown in Fig 5.1.

5.1 FUTURE WORKS

Our future work is aimed at increasing the efficiency of the robot by improving its performance. We wish to incorporate image processing tools into the robot to make the robot capable to draw photos by taking input from camera. We aim to investigate haptic technologies that could be incorporated into the robot so that the system could produce 29 drawings simultaneously when the person makes it on a canvas. In addition, we would like to explore the capabilities of the system to function effectively to audio signals provided to it. This would enable the physical challenge students to make optimal use of this robot. The system has large scope for innovations.

5.2 CONCLUSION

This paper discusses about the design, implementation and analysis of a low cost drawing robot for educational purposes. In this research work we have presented an efficient robot with unique abilities of drawing and painting. The evaluation of the robot points to a promising end result. The outcome of the figure drawn by the robot is quite similar to that of the image/drawing given to it and the response time is quite same for every trials.

A Project Report on

OPTIMIZATION OF MACHINING PARAMETERS ON CNC DRILLING OF ALUMINIUM METAL MATRIX COMPOSITE

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY
In

MECHANICAL ENGINEERING
by

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CHUKKA SAI KIRAN	**17701A0347**
SAI NAVEEN.K	**17701A0350**
ROHITH VARMA.G	**17701A0345**

Under the guidance of
C.THIRUPATHAIAH, M.Tech

Submitted to
DEPARTMENT OF MECHANICAL ENGINEERING

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2020-2021

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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BONAFIDE CERTIFICATE

This is to certify that the project work entitled "**OPTIMIZATION OF MACHINING PARAMETERS ON CNCDRILLING OF ALUMINIUM METAL MATRIX COMPOSITE**" is a bonafide project work submitted by

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Place:
Date:

CHAPTER-6

CONCLUSION:

Metal matrix composites are now getting more applications in various fields. But main problem associated with MMC's is we unable provide economical manufacturing and at all quality requirements because of their higher hardness. This project discussed about how to overcome such problems. Al6063and Al6063/1%sic /1%boron carbide were taken as work pieces which are providing same hardness. Results shows that carbide particles in MMC's provides efficient manufacturing and economical manufacturing by attaining high material removal rate (MRR) and low surface roughness (Ra). We are also taken two different tools that are HSS tool and carbide tool. From the results we can say that the effect of type of tool in machining is limited.

A Taguchi method was proposed to study the optimization of CNC drilling process parameters. Surface roughness, material removal rate are selected as quality targets. Sixteen experimental runs based on orthogonal arrays were performed.

GRA optimization technique was applied to find optimum experimental run and most influencing parameters on machining of MMC's. From GRA optimum experimental run was sixteenth experiment and most influencing parameters are cutting speed, work piece, feed, tool respectively.

The contributions of input parameters on individual response are identified by GRA. From GRA surface finish and material removal rate, are mostly affected by cutting speeds, depth of cut.

Taguchi method of experimental design has been applied for optimizing multi-response process parameters. Feed is the most influencing parameters for material removal rate which is followed by depth of cut and cutting speed. Aluminium 6063 by addition of silicon carbide, boron carbide and fly ash. The process of fabrication composite material is prepared by using stir casting method. The addition of silicon carbide 1%, boron carbide 1% and Fly ash 1% with aluminium increasing percentage ratio the mechanical properties of composite material is enchanced. So it is clear that the effect of silicon carbide ,boron carbide and fly ash were helpful to increasing properties of pure aluminium by addition. By using taguchi design L-16 orthogonal array we are going to conduct experinments based on design of experinment and we are going to identify which will affects more by using GRA. Results from taguchi method exactly matches with ANOVA and TOPSIS confirmation test results are also matched with the predicted results.

A Project Report on

"FABRICATION OF MULTI PURPOSE SOLAR SPRAYER CUM WEEDER"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

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C. VINESH KUMAR	**17701A0377**
K. SREENATH REDDY	**17701A0364**
B.VENKATA SREEKANTH	**17701A0374**

Under the guidance of

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(Assistant Professor, Mechanical Engineering Department)

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HEAD OF DEPARTMENT
Dr. A. Hemanth Kumar, M.Tech., Ph .D
Professor & HOD

Internal Examiner

External Examiner

Place:

Date:

ABSTRACT

In agriculture sector, spraying of pesticides and weed removal process is an important task to protect the crops from insects for obtaining high yield. However, farmers have been using conventional techniques like hand operated and fuel operated fuel system for spraying pesticides which is very expensive. For hand operated spray systems man power required is more and the efficiency will be low. The use of solar energy systems is an alternative technique for these limitations.

This invention is about a Multi- purpose Solar Sprayer, which is used as a pesticide sprayer and weed remover. It consists of a solar panel, wheel cart, pesticide storage tank, suction pump, battery(12V) .It can be operated by a single person, which is very light and simple in operation.

Multi purpose solar sprayer can be efficiently used with less man power. Considering the economical conditions, cost of the equipment is decreased by RS.7000/-when compared with power sprayer.And it has 2 to 3 years more life than the power sprayer. The emission is also reduced and it has less maintenance cost. This new technique with multi purpose operations is more advantageous for the farmers reducing time and labour cost.

CHAPTER 6

RESULTS AND CONCLUSION

6.1 COMPARISION OF POWER SPRAYER & MPS SPRAYER

Table 6.1: Comparison with power sprayer

PARAMETERS	POWER SPRAYER	MPS SPRAYER
COST	RS. 15000/-	RS.8000/-
TYPE OF FUEL	PETROL	SOLAR POWER
POLLUTION	MORE	LESS
NOISE	MORE	LESS
MANUFACTURING	DIFFICULT	EASY
ALTERNATE SOURCE OF POWER	NO	ELECTRICITY
MAINTENANCE COST	RS.100/- PER LITRE OF PETROL	LESS
FABRICATION &MATERIALS	DIFFICULT&HEAVY MATERIALS ARE USED	SIMPLE&LIGHT MATERIALS ARE USED
LIFE	2 TO 3 YEARS	4 TO 5 YEARS

6.2 CONCLUSION:

Multi-purpose of solar sprayer with improved suction have been designed successfully for the village farmer who cannot afford money and utilize of non-conventional energy resources quickly depleting petroleum products.

Finally, the efficiency obtained could be further improved by increasing efficiency of the solar energy and selecting suitable material, We also take this opportunity to which our heart full thanks to all those persons who gave their support and encouragement during the course of project.

A

Project Report On

"IMPLEMENTATION OF LOW POWER HIGH PERFORMANCE OF 2-4 AND 4-16 MIXED LOGIC LINE DECODERS"

Submitted in partial fulfilment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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K. SRIKANTH ACHARI	17701A04D6
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2020-2021

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SUPERVISOR

HEAD OF THE DEPARTMENT

EXTERNAL EXAMINER

Abstract:

This project introduces a mixed-logic design method for line decoders, combining transmission gate logic, pass transistor, dual-value logic and static CMOS. Two novel topologies are presented for the 2-4 decoders: a 14-transistor topology aiming on minimizing transistor count and power dissipation and a 15-transistor topology aiming on high power-delay performance. Both a normal and an inverting decoder are implemented in each case, yielding a total of four new designs. Furthermore, four new 4-16 decoders are designed, by using mixed-logic 2-4 pre decoders combined with standard CMOS postdecoder. All proposed decoders have full swinging capability and reduced transistor count compared to their conventional CMOS counterparts. Finally, a variety of comparative simulations at the 65 nm shows that the proposed circuits present a significant improvement in power and delay, outperforming CMOS in almost all cases.

Chapter-8

CONCLUSION

A proficient blended presence of mind format for decoder circuits, consolidating TGL, DVL and static CMOS. By the utilization of this procedure, we advanced 4 new 2-4 line decoder geographies, especially 2-4LP, 2-4LPI, 2-4HP and 2-4HPI, which give diminished semiconductor matter (therefore surely more modest arrangement place) and ventured forward strength-defer by and large execution corresponding to standard CMOS decoders. Besides, 4 new 4-16 line decoder geographies had been offered, especially four-16LP, four-16LPI, four-16HP and four-16HPI, discovered with the guide of utilizing the utilization of the blended sound judgment 2-four decoders as pre-decoding circuits and blending them in with post-decoders applied in static CMOS presence of mind. These plans coordinate the ventured forward generally speaking execution attributes of by-skip semiconductor good judgment with the reestablishing usefulness of static CMOS. A sort of relative zest recreations changed into executed on the 32 nm, confirming, in greatest cases, a specific addition in pick of the proposed plans. The 2-4LP and four-16LPI geographies are commonly proper for programs wherein spot and strength minimization is of number one concern. The 2-4LPI, 2-4HP and 2-4HPI, notwithstanding the relating four-sixteen geographies (four-16LP, four-16HPI, four-16HP), end up being conceivable and all-round green plans, consequently they can accurately be utilized as developing squares withinside the format of enormous decoders, multiplexers and distinctive combinational circuits of different by and large execution prerequisites. In addition, the offered diminished semiconductor matter and espresso strength characteristics can acquire each mass CMOS and SOI format also. The got circuits are to be applied on design level, making them suitable for general mobileular libraries and RTL format.

A

Project Report on

"HIGH-SPEED AND AREA EFFICIENT BASED ROUNDING METHOD IN DSP APPLICATIONS"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

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HEAD OF THE DEPARTMENT

External viva-voice exam held on dated: 27/06/2021

EXTERNAL EXAMINAR

ABSTRACT

In processors the complex and challenging operations are needed to handled to overcome the demands, which lead to an increase in processor cores. In this paper, propose an approximate multiplier that's high speed yet energy efficient. The approach is to round the operands to the closest exponent of two. This way the machine intensive a neighborhood of the multiplication is omitted up speed and energy consumption. The potency of the planned multiplier is evaluated by comparing its performance with those of some approximate and proper multipliers using different design parameters. In this proposed approach combined the conventional RoBA multiplier with parallel prefix adder. The results revealed that, in most (all) cases, the newly designed RoBA multiplier architectures outperformed the corresponding approximate (exact) multipliers. Thus improved the parameters of RoBA multiplier which may be utilized in the voice or image smoothing applications within the DSP. These type of multipliers were designed and specified using VHDL and have been synthesized and simulated using Xilinx ISE project Navigator v.14.7 platform and then compared with the parameters like delay, area (Number of sliced LUT's and Number of bonded IOB's).

CHAPTER 8

CONCLUSION

In this study, we propose the RoBA multiplier, a high-speed yet area-efficient approximate multiplier. The proposed multiplier was based on rounding the inputs in the form of 2^n and had a high accuracy. The computationally costly section of the multiplication was omitted in this fashion, resulting in improved speed and energy usage at the cost of a small error. Both signed and unsigned multiplications could be solved using the proposed method. The suggested RoBA multiplier has a computational path delay of 21.41ns by this we can reduce delay 93 percent. And also we can reduce the area 82 percent compared to existing method. Three hardware implementations of the approximation multiplier were presented, one for unsigned operations and two for signed operations. The proposed multipliers' efficiency were assessed by comparing them to the efficiencies of some exact and approximate multipliers with varying design parameters. The results showed that the RoBA multiplier architectures beat the comparable approximation (exact) multipliers in the vast majority (all) of circumstances.

A

Project Report on

"INDEXING AND RETRIEVAL SYSTEM FOR SPEECH ANNOTATED DIGITAL IMAGES"

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

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ABSTRACT

The abundant growth in use of digital camera and mobiles for pictures has created huge storage requirements. The problem can be solved by constantly transferring it to hard drive of a computer or cloud. But indexing and retrieval system for digital pictures has become a known and vital problem.

Information retrieval is the technology of searching for files, for statistics inside files and for metadata on documents as well as that of identifying the way of information is recorded. Most recently, automatic voice recognition technology, speech gloss and retrieval have given an

CONCLUSIONS

This work has presented a new retrieval system for digital images which are based on

A

PROJECT REPORT

On.

"INTERNAL CRACK DETECTION IN CYLINDRICAL CONCRETE USING ULTRASONIC SENSORS"

Submitted in partial fulfillment of the requirements for the award of the degree of

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

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SUPERVISIOR **HEAD OF THE DEPARTMENT**

External Viva-Vice exam held on 27/6/2021

EXTEERNAL EXAMINER

ABSTRACT

Cracks in cylindrical concrete structures can be indicators of important damages and may significantly affect durability. Their timely identification can be used to ensure structural safety and guide in-time maintenance operations. Structural health monitoring solutions, such as strain gauges and fiber optics systems, have been proposed for the automatic monitoring of such cracks. However, these solutions become economically difficult to deploy when the surface under investigation is very large. Air coupled sensor are used to measure surface wave transmission across surface breaking cracks in the cylindrical concrete. So, air coupled ultrasonic sensors are used to detect propagating cracks within the cylindrical concrete. The accuracy of the detected onset of the crack is evaluated with the nondestructive testing methods such as acoustic emission and Digital Image Correlation. Crack propagation can be detected by using air coupled sensor. By using this technique we can blast the mountains without any damage, this technique is also helpful for demolition of old building without causing any damage.

In this work we are introducing a project that aims in designing crack detection scheme (CDS) using ultrasonic Sensor. This avoids the vehicle accidents by detecting the cracks on bridge tracks. And also capable of alerting the authorities in the form of SMS messages along with location by using GPS and GSM modules. The system also includes distance measuring sensor which displays the track deviation distance between the two tracks. This will save several vehicles in India from unwanted damages from the bridge track.

CHAPTER-5

5. CONCLUSION AND FUTURE SCOPE

In this study, we created a low-cost, low-power embedded technology to help improve safety standards for cylindrical concrete by preventing cracks and impediments on concrete and buildings. The testing crack prototype can identify fractures and impediments on buildings and cracks quickly. The findings indicate that this new creative technology will improve the dependability of car safety systems. By incorporating these characteristics into real-time applications, we can reduce accidents by up to 70%. The suggested crack identification method is separated into three major components: shading correction in the source pictures, crack identification, and mapping. The median filter is used extensively in the first stage of preprocessing. It is involved with picture processing, accentuating fracture pixels while removing background values. The second phase of the detection processing is based on probabilistic relaxation. Furthermore, to avoid noise creation during automatic detection, we used probabilistic relaxation. Then, to detect cracks precisely, an improved locally adaptive thresholding was implemented.

Although more may be done to improve the speed of automated crack detection. Enhancements can also be made to improve accuracy in determining the location of the problem. For example, when bridge tacking, the vehicle's weight can be used to assess track shiftiness, i.e. stress and strain parameters of the track, making this technique more effective.

A

Project Report on

PERFORMANCE EVALUATION OF GDI TECHNIQUE IN DOMINO LOGIC BASED CIRCUITS USING CMOS TECHNOLOGY

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

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SUPERVISOR **HEAD OF THE DEPARTMENT**

External Viva-Voce Exam held on dated: 28-06-2021.

EXTERNAL EXAMINER

ABSTRACT

Since there is many advancement in VLSI technology and there are many efficient styles of designing VLSI circuits. Some of the styles are CMOS, PTL, GDI (Gate Diffusion Input) techniques. GDI technique helps in designing low-power digital combinatorial circuit by which we can eradicate demerits of CMOS, PTL techniques. This technique allows reducing power consumption, propagation delay, and area of digital circuits while maintaining low complexity of logic design. The different methods are compared with respect to the layout area; transistor count, delay, and power dissipation.

Domino logic circuit techniques are extensively applied in high-performance microprocessors due to the superior speed and area characteristics of dynamic CMOS circuits as compared to static CMOS circuits. High-speed operation of domino logic circuits is primarily due to the lower noise margins of domino circuits as compared to static gates. Domino logic offers speed and area advantages over conventional static CMOS and is especially useful for implementing complex logic gates with large fan-outs.

GDI(Gate Diffusion Input) - a new technique of low power digital circuit design is described. This technique allows reducing power consumption, delay and area of digital circuits, while maintaining low complexity of logic design. Performance comparison with traditional CMOS and various PTL design techniques is presented, with respect to the layout arca, number of devices, delay and power dissipation, showing advantages and drawbacks of GDI as compared to other methods.

***KEYWORDS:*GDI,DOMINO LOGIC,PTL,CMOS**

CHAPTER VII

CONCLUSION AND FUTURE SCOPE

7.1 Conclusion and future scope

In this paper using GDI and domino logic techniques we have implemented some basic logic gates and four bit hybrid full adder circuit. The fundamental reason for this paper is to execute the circuits by utilizing GDI and domino rationale procedures in CMOS innovation which serves to diminishes the semiconductor count,area of advanced circuits,suitable for quick plan and for high velocity operations.Domino circuits offers the upsides of quicker changes and glitch free operation.the reproduction was completed utilizing standard devices with 45nm innovation.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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RAJAMPET-516126, KADAPA Dt., A.P.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled

"A LIGHTWEIGHT AUDITING SERVICE FOR SHARED DATA WITH SECURE USER REVOCATION IN CLOUD STORAGE"

is the project work submitted by

NAMES	ROLL NUMBER
T.PRAVALLIKA	17709A0526
K.GAYATHRI REDDY	17709A0510
P.POOJITHA	17709A0524
S.SUSHMITHA	17709A0537
Y.THIRUMALESWAR REDDY	17709A0541

uring the academic year 2020-2021 in partial fulfilment of requirements for the award of gree of **BACHELOR OF TECHNOLOGY** in **"COMPUTER SCIENCE AND NGINEERING"** to Jawaharlal Technological University, Anantapur is a bonafide work rried out by them under my guidance and supervision. The results embodied in the project port have not been submitted to any other university or institute for the award of any Degree.

ROJECT GUIDE:

r. K. UDAY KUMAR REDDY,

. Tech., PhD•

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ITERNAL EXAMINER

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Dr. M. RUDRAKUMAR, M. Tech., PhD•

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EXTERNAL EXAMINER

ABSTRACT

A cloud platform gives consumers access to shared data storage. Validating data efficiently is required to ensure shared data integrity. The integrity of shared data is verified using an audit technique that allows group members to edit data, although this technique results in complex calculations for the group members. The designated agent's audit methodology uses a lightweight calculation for group members, but it ignores the security vulnerabilities that exist between group members and agents. A lightweight secure auditing technique for shared data in cloud storage (LSSA) is suggested using Hashgraph technology and a Third Party Medium (TPM) management method, which results in group security management as well as a lightweight calculation for group members. Meanwhile, to improve agent security, a virtual TPM pool is created by combining Transmission Control Protocol (TCP) sliding window technology and interconnected functions. We test our scheme using numerical analysis and experiments, and the results show that it achieves lightweight computing for group members while also ensuring data verification for security.

9. CONCLUSION

In this project, we proposed a provable shared data possession for a lightweight and security audit process in cloud storage. By introducing a Hashgraph, the traceability of group membership is achieved, and the illegal behaviours of group members can be contained through Hashgraph technology. By specifying multiple TPMs for calculation and management according to the TPM management strategy, each group member and each TPM are independent of one another, which ensure that the cloud data verification process is secure and achieves a lightweight calculation of the TPM. Through a security analysis, the scheme in this paper can avoid replay attacks and replace attacks while protecting the identity privacy and data privacy of group members and ensuring secure storage of the shared data. Therefore, this scheme has important significance and value for the secure storage of shared data.

CHAPTER-X
BIBLIOGRAPHY

2020-2021

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled

"CLASSIFICATION ALGORITHMS BASED MENTAL HEALTH PREDICTION USING DATA MINING"

is the project work submitted by

NAME	ROLL NUMBER
Y. ANUSHA	17701A0511
N. DILEEP KUMAR REDDY	17701A0523
P. CHANDRA VAMSHI	17701A0520
P. AJAY	17701A0503

ing the academic year 2020-2021 in partial fulfilment of requirements for the award of ree of **BACHELOR OF TECHNOLOGY** in "**COMPUTER SCIENCE AND GINEERING**" to Jawaharlal Technological University, Anantapur is a bonafide work carried by them under my guidance and supervision. The results embodied in the project report have been submitted to any other university or institute for the award of any Degree.

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ABSTRACT

A person's emotional, mental, and social well-being is reflected in their mental health; it affects how a person thinks, feels, or treats a situation; Positive mental health helps individuals work productively and reach their full potential. Mental health is vital in life, from childhood through adulthood. Numerous factors contribute to mental health problems that lead to mental illnesses such as stress, social anxiety, depression, obsessive-compulsive disorder, drug addiction, work problems, and personality disorders. It is imperative that they be determined in order to maintain an adequate life balance.

We have collected data from data sets available online. The data has been tagged for better prediction. The data is subjected to various machine learning techniques in order to obtain labels. Used to build a model for predicting a person's mental health. The algorithm's accuracy is analyzed before it is used to build the model. We plan to implement classification algorithms such as Decision Tree, Random Forest and Naive Bayes. Our target group is the working class, i.e., people over the age of 18. Once the model is built, it is incorporated into a website so that you can predict the outcome based on the details provided by the user.

9. CONCLUSION AND FUTURE ENHANCEMENT

Mental fitness is an exceedingly touchy and crucial topic currently. It is crucial for dwelling a wholesome and balanced life. Mental fitness affects one's thoughts, behaviour and emotions. It can have an effect on the productiveness and effectiveness of an individual. As consistent with the look at with the aid of using WHO, despair might be a main motive of intellectual contamination with inside the global and those want to take extra care approximately their intellectual properly-being for a balanced social and expert life. People who're hesitant to method people for analysis can employ online predictors for results.

To do the prediction, we've encoded the facts first. We have then used the selection tree set of rules and skilled a model which we've used on our website. The accuracy we received with selection tree became 82% with 258 times of facts being labelled successfully out of 315 times. When the user solutions the questions about our webpage, he/she receives an opportunity in their intellectual fitness situation as properly as recommendations. Due to the accuracy, we achieved, it may be concluded that the output shows the appropriate end result and the danger of the contamination being misclassified is minimal.

Future Work:

In the future, we are able to create a machine which predicts a selected intellectual infection that someone suffers from, but large facts series wishes to be finished for it.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled

"FORECAST OF HOUSE PRICE USING MACHINE LEARNING WITH PYTHON"

Project work submitted by

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B.KARTHIK	17701A0541
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17/7/2021

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NTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

This paper provides an overview about how to predict house costs utilizing different regression methods with the assistance of python libraries. The proposed technique considered the more refined aspects used for the calculation of house price and provide the more accurate prediction. It also provides a brief about various graphical and numerical techniques which will be required to predict the price of a house. This paper contains what and how the house pricing model works with the help of machine learning and which dataset is used in our proposed model.

9. Conclusion & Future Enhancement

The house price data set obtained by crawlers is mostly used in this work. The updated SVM classification technique is initially used to categorise house prices after data preparation. The proposed system will predict the price of the house.The total amount of time taken for preprocessing and classification is very less.Hence SVM algorithm will work faster and give the accurate results when compared to other algorithms. Thus this work has a successful house price prediction. After the successful completion of the proposed system, the system is implemented in real time.And also, system needs to produce accuracy by increasing the size of training dataset.In the future more no.of attributes like parking space, swimming pool are added to predict the house price accurately.

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CERTIFICATE

This is to certify that the project work entitled "**AN EFFECTIVE NOVEL APPROACH FOR CROP MANAGEMENT SYSTEM USING ANDROID**" is the project work submitted by

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During the academic year 2020-2021 in partial fulfillment of requirements for the award of degree of **BACHELOR OF TECHNOLOGY** in "COMPUTER SCIENCE AND ENGINEERING" to Jawaharlal Technological University, Anantapur is a bonafide work carried out by them under my guidance and supervision. The results embodied in the project report have not been submitted to any other university or institute for the award of any Degree.

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ABSTRACT

Agriculture app is a mobile application that is basically built on the idea that an app can keep a farmer updated with all the information related to crop, pesticides, insecticides, financial sector etc. It provides detailed information about which crop to grow in which season and which crop is suitable for that particular area in which the farmer is living. It also provides details regarding various banks loan rates and the current schemes provided by the government that are beneficial to farmer. The app will contain a feature in which the farmer has to select the crop sowed and then the app will automatically tell the farmer about the diseases that are prone to that particular crop. Main objective of our project is to educate the farmer on their work. Farmers are getting loss while doing their old forming techniques; those are not suitable for getting profit according to present weather conditions.

9. CONCLUSION & FUTURE ENHANCEMENT

In this project I even have concluded that confirms that consistent knowledge about farms results in optimal decisions. An efficient Novel Approach for Crop Management system can handle farm data in such how that results are orchestrated to deal with customized solutions for every farm. This aid for farmers within the sort of digital solutions combines forces. After thirty years of great expectations-and disappointments-by the appliance of robotics to agriculture, the timing seems right for the primary time. However, so as to require the foremost advantages om Agriculture.

FUTURE ENHANCEMENT:

- With this project we plan to enable a farmer to step into a replacement reality, where he becomes an actual "node in farming in android".
- Farming includes crop, livestock, poultry, fish, sericulture etc. a mixture of 1 or more farming with cropping when carefully chosen, planned and executed gives greater dividends than one enterprise, especially for little and marginal farmers.
- Soil and climatic features of the chosen area.
- Availability of the resources, land, labor & Capital.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project work entitled

"COVID-19 REAL TIME FACE MASK DETECTION WITH DEEP LEARNING AND COMPUTER VISION"

is the project work submitted by

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27/01/2021

PROJECT GUIDE:

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Department of AI&DS

i/c

HEAD OF THE DEPARTMENT

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Head of the Department

Department of CSE

INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT:

The end of 2019 witnessed the outbreak of Coronavirus Disease 2019 (COVID-19), which has continued to be the cause of plight for millions of lives and businesses even in 2020. As the world recovers from the pandemic and plans to return to a state of normalcy, there is a wave of anxiety among all individuals, especially those who intend to resume in person activity. Studies have proved that wearing a face mask significantly reduces the risk of viral transmission as well as provides a sense of protection. However, it is not feasible to manually track the implementation of this policy. Technology holds the key here. We introduce a Deep Learning based system that can detect instances where face masks are not used properly. Our system consists of a dual stage Convolutional Neural Network (CNN) architecture capable of detecting masked and unmasked faces and can be integrated with pre-installed CCTV cameras. This will help track safety violations, promote the use of face masks, and ensure a safe working environment.

9.CONCLUSION & FUTURE ENHANCEMENT

In this application, a two-stage Face Mask Detector was presented. The first stage uses a pretrained caffe model for robust face detection, after comparing its performance with Dib and CNN. An unbiased dataset of masked and unmasked faces was created. The second stage involved training three different lightweight Face Mask Classifier models on the created dataset and based on performance, the deploy prototxt based model was selected for classifying faces as masked or non-masked. Furthermore, Centroid Tracking was added to our algorithm, which helped improve its performance on video streams. In times of the COVID-19 pandemic, with the world looking to return to normalcy and people resuming in-person work, this system can be easily deployed for automated monitoring of the use of face masks at workplaces, which will help make them safer.

FUTURE SCOPE:

The current framework is assessed with various classifiers. The best framework might be carried out alongside interfacing with caution and alarming frameworks soon. This framework might be incorporated with a framework which can coordinate with a framework carrying out friendly separating which can make it a healthy framework which can welcome sensational effect on the spread.

In the wake of playing out the underlying examination, the framework orders each individual as "wearing a veil" or banners as "not wearing a cover" and sends a moment alert, so you can make a further move — dispatch a public sound declaration, send a custom message to a computerized screen, or a customized message to the individual's telephone.

Department of Computer Science and Engineering

Annamacharya Institute of Technology and Sciences

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CERTIFICATE

This is to certify that the project report entitled **"Machine Learning Algorithm for Brain Stroke Disease Classification"** is submitted by,

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M. Madhuri	17709A0517
A. Ajay Kumar Reddy	17709A0501
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in partial fulfilment of the requirements for the award of Degree of **Bachelor of Technology** in **"Computer Science and Engineering."** is a record of bona fide work carried out by them during the academic year 2020-21.

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Head of the Department:

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ABSTRACT:

Stroke is the number one leading cause of mortality and obesity in many countries. This study pre-processing data to improve the image quality of CT scans of stroke patients by optimizing the quality of image to improve image results and to reduce noise, and also applying machine learning algorithms to classify the patient's images into two sub-types of stroke disease, namely ischemic stroke and stroke haemorrhage. Eight machine learning algorithms are used in this study for stroke disease classification, namely K-Nearest Neighbours, Naive Bayes, Logistic Regression, Decision Tree, Random Forest, Multi-layer Perceptron (MLP-NN), Deep Learning and Support Vector Machine. Our results show that Random Forest generates the highest level of accuracy (95.97%), along with precision values (94.39%), recall values (96.12%) and f1Measures (95.39%).

CONCLUSION:

This study uses machine learning algorithms to classify stroke data on CT Scan image data. Before classification, image processing and feature extraction are performed on image data. And after that the comparison of 8 (eight) algorithms is used to do the classification, namely: K-Nearest Neighbors, Naive Bayes, Logistic Regression, Decision Tree, Random Forest, Multi-layer Perceptron (MLP-NN), Deep Learning and Support Vector Machine. Based on our experiment, classification algorithm using the Random Forest method has the highest level of accuracy compared to other tested classification algorithms. However, the accuracy of classification method using optimization default parameter value has not been carried out. Henceforth there is a possibility for the classification model to be improved to achieve. Parameter tuning needs to be done to machine learning algorithm used to increase its accuracy.

Department of Computer Science and Engineering

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CERTIFICATE

This is to certify that the project report entitled "**Implementation and Verification of File security using Elliptic Curve Cryptography (ECC) in cloud Environment**" is submitted by

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Abstract

Schnorr signature is a digital signature produced by the Schnorr signature algorithm that was described by Claus Schnorr. Signatures prevent forgeries, infeasible to sign a message without knowledge of key. There has been a lot of hype about Schnorr signatures lately. The reason being that the patent expired few years ago and numerous people are working on using them instead of ecdsa.

The Elliptic Curve Cryptography (ECC) is modern family of public-key cryptosystems, you can use an Elliptic Curve algorithm for public/private key cryptography. To be able to use ECC; cryptographic signatures, hash functions and others that help secure the messages or files are to be studied at a deeper level.

It implements all major capabilities of the asymmetric cryptosystems: Encryption, Signatures and Key Exchange The main advantage is that keys are a lot smaller. With RSA you need key servers to distribute public keys. With Elliptic Curves, you can provide your own public key.

In python, the above described method can be implemented using the library fastecdsa. However, there are many more libraries written to use for elliptic curve cryptography. We use python IDE for coding.

Implementation of Schnorr digital signature has to be done to every document using Elliptic curve cryptography. Later the documents are to be verified by creating a platform where it shows the status of any document, whether it may be successfully secured or not. Schnorr signatures are both a fairly simple signature scheme yet very powerful at the same time.

9. CONCLUSION

Elliptic Curve Digital Signature Algorithm (ECDSA), one of the Elliptic Curve Cryptography (ECC) variants proposed as an alternative to established public key systems such as Digital Signature Algorithm (DSA) and Rivest Shamir Adleman (RSA), has recently received a lot of attention in industry and academia. The fact that no sub exponential technique exists to solve the elliptic curve discrete logarithm problem on a well designed elliptic curve is the key reason behind ECDSA's appeal. As a result, it takes full exponential time to unravel, but the simplest approach for solving the underlying integer factorization for RSA and discrete logarithms takes only a fraction of that time. Due to the tiny key size used by elliptic curves, the key generated by the method is exceptionally secure and consumes minimal bandwidth. ECDSA uses significantly fewer parameters than competing systems like RSA and DSA, yet with comparable degrees of security.

Faster computing times, lower processing power, less storage space, and more bandwidth are some of the advantages of reduced key sizes. As a result, ECDSA is well-suited to limited contexts such as pagers, PDAs, cell phones, and smart cards. These benefits are especially valuable in other contexts with limited computing power, storage space, bandwidth, or power usage.

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the project report entitled

"A MULTITASK LEARNING MODEL FOR TRAFFIC FLOW AND SPEED FORECASTING"

Is submitted by

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CH. NAGENDRA	17701A0576
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P.C. Senthil Mahesh

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ABSTRACT

Intelligent Transportation Systems (ITS) research and applications benefit from accurate short- term traffic state forecasting. To improve the forecasting accuracy, this paper proposes a deep learning based multitask learning Gated Recurrent Units (MTL-GRU) with residual mappings. To enhance the performance of the MTL-GRU, feature engineering is introduced to select the most informative features for the forecasting. Then, based on real-world datasets, numerical results show that the MTL-GRU can well estimate traffic low and speed simultaneously, and performs better than other counterparts. Experiments also show that the deep learning based MTL-GRU model can overpower the bottleneck caused by enlarging training datasets and continue to gain benefits. The results suggest the proposed MTL-GRU model with residual mappings is promising to forecast short-term traffic state.

11.CONCLUSION

This project proposes a deep learning based multitask model (i.e., MTL-GRU) for traffic flow and speed forecasting. Combined with feature engineering, the MTL-GRU model with residual mappings achieves the best results compared with other approaches. Then, traffic data from PeMS are used to perform numerical experiments. Meanwhile, both classic methods and state-of-the-art deep learning approaches (i.e., LSTM, Conv-GRU, GRU, TCN, and MTL-GRUOrig) are introduced as the comparison counterparts. Based on the numerical results, some useful findings are concluded.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET
(An Autonomous Institution)

Title of the Course COMPREHENSIVE PROJECT WORK
Category PROJECT
Course Code 9P1A045

Year II MBA
Semester IV Semester
Branch MBA

Lecture Hours	Tutorial Hours	Practice Hours	Credits
0	0	0	6

Course Objectives:

- To make the students familiar to apply the knowledge gained from the theoretical subjects in the entire course.

Students are required to take up a project work, in which the student can choose any specific problem of industry or industry-based project work. Alternatively, it can be secondary source based or field-based project work. Before the commencement of the project work, each student is required to submit a synopsis indicating the objectives, methodology and frame work for analysis. The project should have an internal faculty has guide. The student can initiate the project work in the penultimate semester of the course

Course Outcomes:

At the end of the course, the student will be able to	Blooms Level of Learning
apply the various concepts in real time scenarios	L3

CO-PO Mapping:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
9P1A45	3	2	2	2	3	3	2	2

PROGRAM OUTCOMES:

1. **Management Knowledge:** Apply knowledge of Management Theories and Practices to solve Business Problems.
2. **Critical Thinking:** Foster Analytical and Critical thinking abilities for Data – based decision making.
3. **Value Based Leadership:**Ability to develop value-based Leadership.
4. **Communication and Ethics:** Ability to understand, analyse and communicate global, economic, legal, and ethical aspects of business.
5. **Multidisciplinary Environment:** Ability to lead themselves and others in the achievement of organisational goals, contributing effectively to a team environment.
6. **Entrepreneurship:** Ability to evaluate best entrepreneurial opportunities and manage start-ups in the present Business world.
7. **Social Responsiveness:** Apply ethical principles and understand the impact of the Professional management solutions in societal and environmental contexts.
8. **Life Long Learning:** Ability to engage in independent and life long learning in the context of managing unpredictable Societal and Global issues.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2020-21

S.No.	H.T.No.	Name of the Candidate	Name of the Project Title
1	19701E0001	ANIL KUMAR BUKKA	A study on Funds flow Analysis with reference to Bharathi Cements Limited
2	19701E0002	ANILKUMAR REDDY VEERAMAREDDY	A study on Inventory management with reference to Hindustan an Coco-Cola Beverges Pvt Ltd
3	19701E0003	ANUSHA MURUKUTI	A study on working capital with reference to Dalmia Cement (Bharat) Ltd
4	19701E0004	APARNA BEERAM	A study on Financial Perfomance with reference to Surya Elevators Pvt ltd
5	19701E0005	ASHOK ALAMURI	A study on Inventory Management with reference to Shri Govindaraja Mills Pvt Ltd
6	19701E0006	CHADNRA MOULI DASARI	A study on Working Capital management with reference to Shri Govindaraja Mills Pvt ltd
7	19701E0007	CHAITANYA HALE KANNARI	A study on Customer Perception with reference to Srikalahathi Pipes Pvt Ltd
8	19701E0009	CHANDRASEKHAR BOMMANA	A study on Working Capital Management with reference to Dalmia Cement Bharathi Ltd
9	19701E0010	DHARMAREDDY TAMMINENI	A study on Capital Budgeting Management with reference to Sri Kalahasthi Pipes Ltd
10	19701E0011	FIROJ SHAIK SIKILIGIRI	A study on Capital Budgeting with reference to Dalmia Cement(Bharat) Pvt Ltd
11	19701E0012	GOPALA KRISHNA GODUGUNURUI	A study on Working Capital Management with reference to Chaitanya Chemicals
12	19701E0013	HARSHA VARDHAN CHOKKAM	A study on Fixed Assets Management with reference to Mr Honda Motors Pvt Ltd
13	19701E0014	KALYAN MADAKA	A study on Working Capital Management with reference to Apgenco Pvt Ltd
14	19701E0015	KAVYA ANDRA	A study on Customer Satisfaction with reference to Tata Motors
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19	19701E0020	MADHAVI AKKI	A study on Ratio Analysis with reference to Andhra Baryte Corporatioon Private Ltd
20	19701E0021	MAHAMMAD AFZAL SHAIK	A study on Working Capital Management with reference to Amara Raja Batteries Pvt Ltd
21	19701E0022	MAHESH LINGAPPAGARI	A study on Financial Statement Analysis with reference to Macro Precious Component's
22	19701E0023	MALIK BASHA	A study on Cash Flows Statement with reference to Andhra Pradesh

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34	19701E0035	PRASANNA KUMAR DEVARASETTY	A study on inventory management with reference to Nandi Pipes Pvt Ltd
35	19701E0036	PRASHANTHI MOOLI	A study on Working Capital Management with reference to Bharathi Cement Corporation Pvt Ltd
36	19701E0037	PRAVALIKA SIDDAREDDY	A study on Customer Satisfaction with reference to Kottha's Ganesh Industries
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39	19701E0042	RAVI P	A study on Working Capital on Profitability with Dhara Sree Ginning & Pressing Factory
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57	19701E0060	SREENU CHATLA	A study on Leverage Analysis with reference to Zuari Cement Ltd
58	19701E0061	SRI LATHA BOLLINENI	A study on Customer Satisfaction with reference to Bharti Airtel Ltd
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65	19701E0068	VANDANA GANJI	A study on Ratio Analysis with reference to Anantha PVC pipes Pvt Ltd
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A STUDY ON "FINANCIAL PERFORMANCE ANALYSIS "

OF SELECT COMPANIES

With Reference To

SURYA ELEVATORS PVT. LTD.,

Submitted To

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

in the partial fulfillment of the Requirement for the award of the degree of

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POJECT GUIDE

EXTERNAL EXAMINER

INTRODUCTION

Finance is the lifeblood of the organization, irrespective of its size mission. Management of finance in the organization has been changing at a rapid pace after the inception of the computers in the field. In the modern phase the financial manager is not in a passive role of a scorekeeper of accounting information and arranging funds, when ever diversified to do so. Rather, he is confronted with various issues and decisions to ensure that the funds are raised economically and canalised in most effective manner.

FINANCIAL MANAGEMENT

Financial Management emerged as a distinct field of study at the turn of this century many eminent persons defined it in the following ways.

DEFINITIONS:

According the BONNEVILE AND DEWEY:" Financing consists in the rising, providing and managing of all the money, capital or funds of any kind to be used in connection with the business".

According to Prof. SOLOMAN:" Financial Management is concerned with the efficient use of any important economic resource, namely capital funds.

FINANCE FUNCTIONS:

It may be difficult to separate the finance functions from production, marketing, and other functions, but the functions themselves can be readily identified. The functions of raising funds investing them in assets and distributing returns earned from assets to shareholders are respectively known as.

- Long – Term Assets- Mix (or) Investment Decision
- Capital- Mix (or) Financing Decision
- Profit Allocation (or) Dividend Decision
- Short- Term Asset – Mix (or) Liquidity Decision

5.3 CONCLUSION

Surya Elevators Private Ltd., over all financial performance is good. If the credit collection period could be reduced. The company has to increase the current ratio, and then only the liquid position is good. The company can perform still better to achieve good performance in all the regards than it is possible to earn more profits in future.

BALANCE SHEET

BIBLIOGRAPHY

A STUDY ON WORKING CAPITAL MANAGEMENT

WITH REFERENCE TO

SHIRDI SAI ELECTRICALS LTD, KADAPA

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CHAPTER 1

INTRODUCTION

Finance is one the basic foundations of all kinds of economic activities. It is the master key, which provides access to all the sources for being employed in manufacturing. Hence it is rightly said that finance is lifeblood of any enterprise, besides being the scarcest elements, it is also the most indispensable requirement. Without finance neither any business can be started nor successfully run. Provision of sufficient funds at the required time is the key to success of concern. As master of fact finance may be said to be the circulatory system of economic body, making possible the needed co-operation among many units of the activity.

Working capital management or administration of all aspects of working capital, which manage the firm's current assets and current liabilities in such a way that a satisfactory level of working capital is maintained.

According to **smith** "working capital management is concerned with the problem that arise in attempting to manage the current assets, current liabilities, and the inter-relationship that exist between them".

Working capital management is concerned with the problem that arises in attempting to manage the current assets, the current liabilities and the interrelationship that arise between them.

Current assets refer to those assets, which in the ordinary course of business can be or will be turned into cash within one year. The major current assets are cash, marketable securities, accounts receivables and Inventory. Current liabilities are those liabilities, which are intended, at their inception, to be paid in the ordinary course of business, with in a year. The basic current liabilities are Accounts payable, Bills payable, Bank Overdraft and Outstanding expenses.

The goal of working capital management is to manage the firms Current Assets and Current Liabilities in such a way that a satisfactory level of working capital is maintained.

5.2 SUGGESTIONS

- There is a scope for the company to reduce the current assets especially debtors, and inventories to reduce the networking capital and improve the profitability.
- The company has to implement strict credit policy & procedures to collect the dues from debtors in time.
- The company has to achieve its set targets by striving for its fulfillment.
- The company has to utilize its fixed assets properly to generate sales.
- The company can make use of its financial strength to borrow and improve returns for the share holder
- Current assets and current liabilities should be efficiently utilized in order to increase the Working Capital Ratio.
- The company may follow the same level of working Capital in Future Ratio.
- To improve current assets and decrease current liabilities, stock debtors should be properly utilized.

5.3 CONCLUSION

- The project was aimed finally at knowing financial stages of , SHIRDI Sai Electricals Limited. Over a period of five years and it is trend over these years. A project in for three years has been made with positive results.
- The area of Finance is very sensitive and a very important area in all files with out existence of company will be a great question

A STUDY ON

CUSTOMER AWARENESS ON SALES PROMOTION

With reference to VK AUTOMOBILES INDIA PRIVATE LTD., KADAPA

Submitted to

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CHAPTER – I

INTRODUCTION

1.1 BACKGROUND OF THE STUDY:

Sales promotion describes promotional methods using special short-term techniques to persuade members of a target market to respond or undertake certain activity. As a reward, marketers offer something of value to those responding generally in the form of lower cost of ownership for a purchased product (e.g., lower purchase price, money back) or the inclusion of additional value-added material (e.g., something more for the same price).

Sales promotions are often confused with advertising. For instance, a television advertisement mentioning a contest awarding winners with a free trip to a Caribbean island may give the contest the appearance of advertising. While the delivery of the marketer's message through television media is certainly labeled as advertising, what is contained in the message, namely the contest, is considered a sales promotion. The factors that distinguish between the two promotional approaches are:

1. whether the promotion involves a short-term value proposition (e.g., the contest is only offered for a limited period of time), and
2. The customer must perform some activity in order to be eligible to receive the value proposition (e.g., customer must enter contest). The inclusion of a timing constraint and an activity requirement are hallmarks of sales promotion.

Sales promotions are used by a wide range of organizations in both the consumer and business markets, though the frequency and spending levels are much greater for consumer products marketers. One estimate by the Promotion Marketing Association suggests that in the US alone spending on sales promotion exceeds that of advertising.

Sales promotion is one of the four aspects of promotional mix. (The other three parts of the promotional mix are advertising, personal selling, and publicity/public relations.) Media and non-media marketing communication are employed for a pre-determined, limited time to increase consumer demand, stimulate market demand or improve product availability.

5.3 CONCLUSION

The sales promotions given by Honda are very unique attractive. Most of the customers are aware of the offers but the satisfaction levels of overall offers are average and need to be improved. The offers are also executed well as maximum customers have received an offer. Overall the offers given by Honda are properly communicated.

A STUDY ON WORKING CAPITAL MANAGEMENT

With reference to

CHAITANYA CHEMICALS PVT.LTD KADAPA

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CHAPTER 1

INTRODUCTION

1.1 BACKGROUND OF THE STUDY

Whatever may the organization, working capital plays on important role, as the company needs capital for its day to day expenditure. Thousands of companies fail each year due to poor working capital management practices. Entrepreneurs often don't account for short term disruptions to cash flow and are forced to close their operations.

In simple term, working capital is an excess of current assets over the current liabilities. Good working capital management reveals higher returns of current assets then current liabilities to maintain a steady liquidity position of a company otherwise, working capital is a requirement of funds to meet the day to day working expanses. So

a proper way of management of working capital is highly essential to ensure a dynamic stability of the financial position of an organization.

INTRODUCTION TO WORKING CAPITAL:

Companies that manage their working capital will have relatively strong profit and thereshare holders have been rewarded with capital appreciation despite an overall trend of declining share prices. Others especially, commodity produces and companies whose procures and companies whose products take cyclic demand have floundered.

Many a times, the main causes of the failure of business enterprise have been found to be shortages of current assets and their mishandling. Inside amount working capital is a serious handicap in business where as fixed capital investment generate products companies competent and administration of current assets sales the problems of underutilization of capacitance.

A firm contains input to make a finished product, which is sold to make a profit. These sales proceed are re-invested to make such products and generate for the profits.

The problem is, there is a lag between the time a finished product is ready and the time its sales, proceeds are realized. If a company waited till there products come ii, its plant and machinery would lie this time lag, every business activity make funds. This is its working capital, the rational for the superior valuation. Since there is its working capital, the

5.2.SUGGESTIONS

1. The present study with title working capital management at Chaitanya ChemicalsRajampeta reveals some facts about the financial strengths and some areas to be studied for further effective monitoring and maintenance.
2. For this study with the help of the analysis I would like to express some useful areas of interests which can add some value to the organization; those are as follows,
3. The company is maintaining good volume of current assets at present by taking the support of this it is to recommend that planning for future courses of actions like expansion, new business adding new reach of market could help the company to reach further accomplishments.
4. As the companies working capital turnover ratio is showing fluctuating trend, it is recommended to have more vigilance and automation and
5. Chaitanya ChemicalsRajampeta. Is having good sales volume in the market further to compete with the competitors it is recommended to have quality and productive staff at concern levels.

5.3 CONCLUSION:

From the study, it is observed that a significant positive relationship between the length of WC and the profitability of firm in terms of return on total assets giving a strong indication to the firm manager/owners that longer the Working Capital turnover in days, lesser capital will be deployed in current assets and eventually there will be more capital investment leading towards a higher profitability of the firm. The Working Capital in terms of days and profitability in terms of return on equity appears to be negatively correlated with the firm's profitability. It means company with shorter Working Capital turnover days is more profitable than the firms with longer Working Capital. The problem of longer be the outcome of longer inventory turnover and accounts receivable turnover in terms of days

A STUDY

ON

WORKING CAPITAL MANAGEMENT

PROJECT REPORT

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1.1 INTRODUCTION

Working capital is that amount of funds which is required to carry out the day- to – day operations of an enterprise. It may also regards as that position of an enterprise total capital, which is employed in its short – term operations. This operation consists of primarily such items such as raw materials, semi – finished goods, finished goods, sundry debtors, short – term investments etc., Thus working capital also refers to all the short – term assets known necessary. There is no such a business for which working capital is not needed. The main aim every firm is to maximize shareholders wealth.

Firm must earn sufficient returns to increase the shareholder wealth. To earn steady amount of profit, a successful sales activity is necessary. Firm can generate sales if sufficient amount is invested in Current assets. The need of current assets is necessary because sales do not convent into cash immediately. There is always an operating cycle involved in the conversion of sales into cash. Working capital management is one of the most important aspects of financial management. It forms a major function of the finance manager and accountant. It is concerned with the problems that arise In attempting to manage the current assets, the current liabilities and the interrelation ship that exists between them. The management of current assets is similar to that of fixed assets in the sense that in both cases a firm analyses their effects on its return and risk.

THEORITICAL BACKGROUND

One of the most important areas in the day-to-day management of the firm is the management of working capital. Working capital management is the functional area of the finance that covers all the current accounts of the firm. It is concerned with management of the level of individual current assets as well as the management of total working capital. Financial management means procurement of funds and effective utilization of these procured funds. Procurement of funds is firstly concerned for financing working capital requirement of the firm and secondary for financing fixed assets.

5.3 CONCLUSION

The working capital management system followed by Heritage Foods India Ltd, Kasipentla works shows a satisfactory position. Proper working capital management is used to establish a cause and effect, relationship between variables to help the management in making effective strategic planning to forecast the future and take necessary steps to reach the organizational goals. Various crucial areas that need attention were identified and practical suggestions were given to improve performance.

A

PROJECT REPORT ON

LEARNING A CONVOLUTION NEURAL NETWORK FOR IMAGE COMPACT - RESOLUTION

Submitted in partial fulfillment of the
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This is to certify that the project work entitled **"Learning a Convolution Neural Network For Image Compact Resolution"** is a bonafide work carried out by Mr. **K. Sai Kiran Reddy** (Regd.No.19705F0027) is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2018-2021.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner

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An initiative by takeoff group

CIN : U72200AP2013PTC089436

PROJECT COMPLETION CERTIFICATE

To

The Principal

Annamacharya Institute of Technology & Sciences

Rajampet.

Kadapa(D).

Dear Sir/Madam,

Sub: Project Completion Letter-Reg

This is to certify that the **Mr. SAI KIRAN REDDY.K (19705F0027)** have done project in **Young Minds Technology Sol Pvt Ltd**, Tirupati. The Project **"LEARNING A CONVOLUTIONAL NEURAL NETWORK FOR IMAGE COMPACT RESOLUTION"** is bonafide work done by the student in partial fulfillment of the academic requirements from March 2021 to June 2021 for award of **"MCA"** from **"Annamacharya Institute of Technology & Sciences, Rajampet"**.

We wish you all the best for your future endeavors.

Authorized signature

Young Minds Technology Sol Pvt Ltd.

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

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ABSTRACT

The learning a convolutional neural network problem of image super resolution. The term image compact-resolution, the image resolution that a visually plausible high resolution image given a low-resolution input, image provides a low-resolution version of a high-resolution image, such that the low-resolution version is both visually pleasing and as informative as possible compared to the high-resolution image. We propose a convolutional neural network (CNN) for image CR, namely CNN-CR, inspired by the great success of CNN for image SR. Specifically, we translate the requirements of image CR into operable optimization targets for training CNN-CR: the visual quality of the compact-resolved image is ensured by constraining its difference from a naively down-sampled version, and the information loss of image CR is measured by up-sampling/superresolving the compact-resolved image and comparing that to the original image. The convolutional neural network (CNN) for image compact resolution, the requirements of image capture into operable optimization targets for training image resolution, the visual quality of the compactresolved image is ensured by constraining its difference from a naively normalsampled version, and the information loss of image is measured by up-sampling/super resolving the compact-resolved image and comparing that to the original image.

CONCLUSION

We have proposed a learning approach for image compact resolution using convolutional neural network (CNN-CR). The problem of image CR is formulated as to jointly minimize the reconstruction loss and the regularization loss. CNN-CR can be trained either separately, or jointly with a CNN for image SR. We investigate network structures and training strategies used for CNN-CR. Our experimental results show that the proposed CNN-CR outperforms simple down-sampling with a noticeable margin in terms of the reconstruction quality. The compact-resolved images look visually pleasing thanks to the proposed regularization loss. We also investigate applications of CNN-CR in low-bit-rate image compression and image retargeting, and results demonstrate the effectiveness of our method.

A

PROJECT REPORT ON

FEATURE-LEVEL RATING SYSTEM USING CUSTOMER REVIEWS AND REVIEW VOTES

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Miss.M.SOUJANYA
(Regd. No: 19705F0032)

Under the Guidance of
Mrs. P. KAVITHA
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Anantapuram)

2018-2021

***

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET - 516126.

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPURAMU

DEPARTMENT OF
MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"FEATURE-LEVEL RATING SYSTEM USING CUSTOMER REVIEWS AND REVIEW VOTES"** is a bonafied work carried out by **M.SOUJANYA** (Regd.No.19705F0032) is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2018-2021.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner

KUBE

Corporate Training & consultancy services Pvt.Ltd.

COMPLETION LETTER

To
The Principal,
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES,
RAJAMPET,
516126.

Respected Sir/Madam,

WeareprovidingacompletionletterofprojectworktoMs.M.Soujanya(19705F0009)IsStudentof MCAforcompletingRealtimecorporateEnvironmentworkforperiodfromMarch2021toJune2021

PROJECTTITLE:FEATURE-LEVEL RATING SYSTEM USING CUSTOMER REVIEWS AND REVIEW VOTES
DOMAIN:JAVA
LANGUAGE: JAVA

MUKKAMALLA SOUJANYA **(19705F0032)**

Thanks & Regards,
MANAGING DIRECTOR
K. ROHITH KUMAR
KUBE TECHNOLOGIES

KUBE TECHNOLOGIES
42/604-7, 2rd Floor,
Near Apsara Theatre,
Jayanagar Colony, KADAPA.

#42/604-7,Uptairs ofMuthootFInance,3*Floor,opptoApsaraTheaterroad,besideAPGBank,kadapa-S16002

ABSTRACT

This work studies how we can obtain feature level ratings of the mobile products from the customer reviews and review votes to influence decision making, both for new customers and manufacturers. Such a rating system gives a more comprehensive picture of the product than what a product-level rating system offers. While product-level ratings are too generic, feature-level ratings are particular; we exactly know what is good or bad about the product. There has always been a need to know which features fall short or are doing well according to the customers perception. It keeps both the manufacturer and the customer well-informed in the decisions to make in improving the product and buying, respectively. Different customers are interested in different features. Thus, feature-level ratings can make buying decisions personalized. We analyze the customer reviews collected on an online shopping site (Amazon) about various mobile products and the review votes. Explicitly, we carry out a feature-focused sentiment analysis for this purpose. Eventually, our analysis yields ratings to 108 features for 4k+ mobiles sold online. It helps in decision making on how to improve the product (from the manufacturer's perspective) and in making the personalized buying decisions (from the buyers perspective) a possibility. Our analysis has applications in recommender systems, consumer research, etc.

CONCLUSION

They have developed a system to rate mobile phones in terms of 108 features based on customer reviews and review votes. We could rate 4000+ phones; this can help make personalized buying decisions and improve the products. We accomplish this by first converting the unstructured data into structured data; then, we extract the sentences comprising our feature keywords; then, we were able to provide the feature-level ratings through sentiment analysis of these sentences. We rank the phones based on the number of features that they are best at, and accordingly, we were able to recommend the best phones for a feature. We tested our methodology on the "phone" named feature by considering the overall customer ratings as ground-truth ratings. The performance of our method is found to be decent. We obtain MAE of only 0.555, i.e., approximately just half a star. We get 52.3% accuracy if exact integer ratings have to be predicted. However, if we can tolerate the one-star integer rating error, the accuracy jumps to 93.8%. The proposed approach is unsupervised. As an extension, we will work on improving the performance by taking a weakly supervised or supervised approach to this problem, for which we will have to annotate the available data in terms of all our 108 features.

A

PROJECT REPORT ON

DEREPO: A DISTRIBUTED PRIVACY PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

MISS. C. KAVITHA
(Regd. No: 19705F0015)

Under the Guidance of
Mrs. P. KAVITHA
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY &SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Anantapuramu)

2018-2021
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NEW BOYANAPALLI, RAJAMPET - 516126.

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"DEREPO:A DISTRIBUTED PRIVACY PRESERVING DATA REPOSITORY WITH DECENTRALIZED ACCESS CONTROL FOR SMART HEALTH"**is the bonafied work carried out by **MISS. C. KAVITHA** Regd.No.**19705F0015** is submitted in the partial fulfillment of the requirements for the award of Degree of Master of Computer Applications during the year **2018-2021.**

Kavitha
Project Guide

C. Mk My
Head of the Department

Kavitha
Internal Examiner

External Examiner

PROJECT COMPLETION CERTIFICATE

To

The Principal

Annamacharya Institute of Technology & Sciences

Rajampet,

Kadapa(D).

Dear Sir/Madam,

Sub: Project Completion Letter-Reg

This is to certify that **Ms. CHIRRAPUKAVITHA (19705F0015)** have done project in **Young Minds Technology Sol Pvt Ltd**, Tirupati. The Project "**Derepo: A Distributed privacy preserving Data Repository With Decentralized Access Control For Smart Health**" is bonafide work done by the student in partial fulfillment of the academic requirements from March 2021 to June 2021 for award of "**MCA**" from "**Annamacharya Institute of Technology & Sciences, Rajampet**".

We wish you all the best for your future endeavors.

Authorized signature

YoungMinds Technology Sol Pvt Ltd.

ABSTRACT

Smart health has attracted a huge amount of attention nowadays with the advancement of information and communications technology. Meanwhile, the medical data is imperative to support smart health techniques. However, the storage of medical data faces serious security and privacy issues from the hacktivists, cloud service providers and even medical institutions. Therefore, I propose a repository named Derepo to address these issues by securing the storage with the decentralized access control mechanism and preserving privacy via the homomorphic encryption scheme. I adopt the distributed ledger technology to endow the access control mechanism with trustworthy properties such as Byzantine fault tolerance. Besides, I utilize the fully homomorphic encryption scheme to protect data privacy and preserve the computability in the meanwhile. The design of Derepo is user-centric. Only the data owner can make the access control policy and decrypt their data while the authorized third parties can enforce the data processing processes on their encrypted data without knowing the original values.

CONCLUSION

To address the security and privacy issues of medical data persistence in smart health, we have proposed Derepo to decentralize the access control and encrypt the data without losing computability that are two significant challenges extracted from the adversary model. The double-layered architecture is formalized together with static structures and dynamic processes. Which also preserves controllability , manageability and pseudo. The FHE scheme is adopted to ensure confidentiality and resolve the privacy issues caused by both internal and external adversaries

A

PROJECT REPORT ON

A Categorization of Cloud-based Services and Their Security Analysis in the Healthcare Sector

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. M. Chandra Prasad
(Regd. No: 19705F0005)

Under the Guidance of
Mrs. P. Swathi
Associate Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY &SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Anantapuramu)

2018-2021
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Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"A Categorization of Cloud-based Services and Their Security Analysis in the Healthcare Sector"**is the bonafied work carried out by **Mr. M. Chandra Prasad** Regd.No.**19705F0005** is submitted in the partial fulfillment of the requirements for the award of Degree of Master of Computer Applications during the year **2018-2021.**

P. Swathi

Project Guide

Head of the Department

Internal Examiner

External Examiner

Note :- viva voice conducted in online mode

(Covid-19)

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CIN : U72200AP2013PTC089436

PROJECT COMPLETION CERTIFICATE

To

The Principal,

Annamacharya Institute of Technology & Science (Autonomous),

Rajampet.

Dear Sir/Madam,

Sub: Project Completion Letter-Reg

This is to certify that the **Mr. M. CHANDRA PRASAD (19705F0005)** have done project in **Takeoff Edu Group**, Tirupati, with the Project Entitled "**A Categorization of Cloud-based Services And Their Security Analysis In The Healthcare Sector**" is bonafide work done by the student in partial fulfillment of the academic requirements for award of "**MCA**" from "**Annamacharya Institute Of Technology & Science (Autonomous)**". The Project duration is from **March-2021** to **June-2021**.

We wish you all the best for your future endeavors.

Authorized signature

Takeoff Edu Group.

Regd. Office:
1st, 3rd & 4th Floor, AVR Buildings, Opp. S.V. Music College,
Balaji Colony, TIRUPATI - 517 501. Andhra Pradesh. INDIA

Call @ **0877-2261612** | **9966062884**
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www.ymtsindia.com

ABSTRACT

Here the project says that the security measures of all web transactions not only in health sector but in all sectors should always be taken and constantly updated due to the fact that new electronic threats appear every day. Only under this condition, cloud services have positive impact to health, saving more lives than in the past instantly. The contribution of cloud-based services in the healthcare environments is a vital issue in the 21st century. So, we provide and presenting its benefits and tools in hospitals, clinics as well as diagnostic centers, Earlieryear existing applications and services are separated in categories, which basically concern data storage, computing power, network, PaaS, SaaS, data analytics, business intelligence and project management. Then, some security and risk assessment issues in cloud-based services are analyzed thoroughly together with some case studies.

CONCLUSION

The project is implementing an eye-catching categorization of cloud benefits and threats in the healthcare sector providing many important tools and applications. The information exchange and management are boosted because less time is consumed. This fact is a necessary precondition for the implementation of the future trends which are next described. It is concluded that cloud computing helps the IT evolution in healthcare as all hospitals/diagnostic centers have access to the same cloud services. However, the security measures of all web transactions not only in health but in all sectors should always be taken and constantly updated due to the fact that new electronic threats appear every day.

A

PROJECT REPORT ON

CASHLESS SOCIETY MANAGING PRIVACY AND SECURITY IN THE TECHNOLOGICAL AGE

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Miss.D.GEETHA VANI
(Regd. No: 19705F0009)

Under the Guidance of
Mrs. P. KAVITHA
Associate Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY &SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Anantapuramu)

2018-2021
***

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET - 516126.

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"CASHLESS SOCIETY MANAGING PRIVACY AND SECURITY IN THE TECHNOLOGICAL AGE"**is the bonafied work carried out by **D.GEETHA VANI** Regd.No.**19705F0009** is submitted in the partial fulfillment of the requirements for the award of Degree of Master of Computer Applications during the year **2018-2021.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet - 516 126

Internal Examiner

External Examiner

KUBE

Corporate Training & consultancy services Pvt.Ltd.

COMPLETION LETTER

To
The Principal,
ANNAMACHARYA INSTITUTE OF TECHNOLOGY ANDSCIENCES,
RAJAMPET.
516126.

Respected Sir/Madam,

WeareprovidingacompletionletterofprojectworktoMs.D.GeethaVani(19705F0009)IsStudentof MCAforcompletingRealtimecorporateEnvironmentworkforperiodfromMarch2021toJune2021

.

PROJECTTITLE:CASHLESSSOCIETYMANAGINGPRIVACYANDSECURITYINTHETECHNOLOGICAL AGE.
DOMAIN:DATAMINING
LANGUAGE: JAVA

DAMANCHERLAGEETHAVANI **(19705F0009)**

Thanks & Regards,
MANAGING DIRECTOR
K. ROHITH KUMAR
KUBE TECHNOLOGIES

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Near Apsara Theatre,
Jayanagar Colony, KADAPA.

#42/604-7,UptairsofMuthootFInance,3*Floor,opptoApsaraTheaterroad,besideAPGBank,kadapa-S16002

ABSTRACT

A cashless society is an economic state which hold financial transactions not in the way of traditional mediums of currency, such as cash or coins, but by transferring digital data (usually by electronic means, like credit cards and mobile data) in the middle of the participating parties. Participants of a cashless society must figure out a way to protect their transaction information, acknowledging the risks of institutions collecting mass amounts of said data, which result in a reducing of personal privacy. Balancing independent privacy with data security is essential in the information age, especially considering the increasing possibility of data breaches and exploitation. In order to grow privacy in a cashless society, a few courses of action can be combined to produce a lasting and desirable result for users: A new type of banking service that assigns randomized numbers to their credit cards, the use of block chain to monitor all transactions from individuals, and a campaign to educate and inform key stakeholders about the security and privacy risks to give the necessary tools and background knowledge to safeguard their own data before interactivity with a foreign entity (or) other third parties (i.e. cyber security departments, IT technicians, etc).

CONCLUSION

A cashless society poses risks for its members because data and metadata(data about data) about their transactions are being gathered and used. The members of said cashless society will have to figure out a way to protect their data in order to increase their privacy. Our group has found the idea of a cashless society to involve many systemic complexities. Within the complex system, opportunities arise to appliance solutions to privacy and security problems. The various actors in said system have various or different desires and will respond in unique or individual ways to changes made. Sometimes the best solution to a problem is the culmination of multiple approaches. Spreading information to the general public helps people learn about the systems they are using and allows for them to make informed decisions. Block chain helps promote privacy and security through its authentication process. Randomized credit cards help users keep their account numbers private or personal. All 3 approaches are effective ways of adapting to a dynamic currency system.

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

B No.	Roll No.	Name Of The Student	Title Of The Project
1	1670140135	Pooja Pravallika Sayapureddy	Study On Partially Replacing Cement With Sugarcane Bagasse Ash & Fly Ash
	1670140105	Ashraf Shaik	
	16701a0139	Raghavendra Yallamanda	
	17705a0107	Chengala Rayudu Thunti	
	1670140108	Devanandaa Reddy Ramireddy	
2	17705a0108	Gouri Shankar P	Design Of Traffic Signal By Webster Method
	1670140136	Pradeep Kumar Gurukuntla	
	1670140114	Jagannath Reddy Basireddy	
	1670140123	Mohammed Irfan Thadimarri	
	1670140134	Pavankumar Reddy Pola	
3	1670140111	Gouri Tanusha Tellakula	Study Of Strengthening Of Concerete By Replacing With Recycle With Concrete
	17705a0101	Abhilash Reddy Kudamala	
	1670140138	Preethi Reddy Yadaguri	
	16701a0101	Althafhussain Shaik	
	1670140106	Chaitanya Lingam	
4	17705a0106	Chandra Naik Banavath	Partial Replacement Of Copper Slag As Fine Aggregates In Concrete
	16701a0122	Manohar Bakiru	
	1670140107	Chidvilas Danasi	
	1670140119	Lokeswara Veeramallu	
	1670140118	Lokeswara Devarasetty	
5	16701a0126	Mohan Sai Siva Kumar Puthuru	Study On Strenfthening Of Concrete By Using Different Fibers & Fly Ash And Calculation Of Deflection Of Frc
	1670140102	Amarnath Reddy Chevvu	
	16701a0125	Mohammed Thaimur Shaik	
	16701a0131	Naresh Kumar Kasipulla	
6	16701a0127	Mouli Tejeshwar Reddy Kosika	Design Of Sewage Water Treatment Plant For Aits

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B No.	Roll No.	Name Of The Student	Title Of The Project
	1670140128	Munna Basha Kommaddi	
	1670140121	Maneesh Nagarajugari	
	1670140141	Rajesh Kumar Reddy Akepati	
7	17705a0111	Gouri Tanusha Tellakula	An Experimental Investigation On High Strength Cocrete Partially Replacement Of Cement With Ggbs And Flyash
	17705a0102	Anil Kumar Pedakala	
	16705a0140	Raghurami Reddy Kalluri	
	1670140110	Ganga Prasad Yerragorla	
	16701a0132	Nikhil Varma Kadimella	
8	16701a0137	Pratap Reddy Mallela	Usage Of Bio-Based Resin Upto Desirable Percentage Of Bitumen B In Laying Of Roads
	16701a0130	Narendra Gedi	
	1770540105	Bhairavanatha Reddy Talapagala	
	1770540103	Ashokkumar Reddy Mutturu	
	16701a0116	Kiran Kumar Kanugala	
9	1670140129	Naga Sai Pranathi Addaganti	Experimental Study On Strenthening Of Soil By Using Plastic Waste
	1670140112	Hema Sathyanand Goud Mallisetty	
	17705a0109	Kishore Seelam	
	1670140115	Karuna Thalari	
10	16701a0133	Pavan Kumar Reddy Ponnathota	Strength Assessment Of Concrete Containing Variable Mixtures Of Portland Cement And Granite Dust
	16701a0109	Divya Sainath Reddy Sreeyapureddy	
	16701a0103	Aneeshahammed Obili	
	1570140103	Anusha Chitrala	
	17705a0112	Mubarak Basha Syed	
11	1770540117	Vivek Sai Palukuru	Comparative Study On Conventional & Finite Elements Modal Of Reinforcement Concrete Box Culverts
	16701a0165	Surya Prakash Reddy Juturu	
	1670140181	Yeshwanth Reddy Ganta	

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B No.	Roll No.	Name Of The Student	Title Of The Project
	1670140177	Venkata Subbaiah Jinkala	
	1670140175	Venkata Sai Kumar Thummala	
12	1670140151	Shahida Sultana Dalazack	A Study Of Water Use And Water Conservation Policies At (Primary) Eco-Schools
	1670140157	Sreenivasulu Madduri	
	16701a0144	Ravi Prakash Chakali	
	16701a0163	Sunil Kumar Marupuri	
13	1670140145	Rizwan Syed	Comparison Of Design Result Of Multi Story Structure Using Etabs And Staad Pro Software Package
	16701a0171	Vamsee Vardhan Reddy Malapati	
	16701a0154	Sree Hari Neelagari	
	16701a0160	Subbarayudu Battala	
14	1670140147	Ruchitha Thallapureddy	Experimental Analysis Of Concrete By Partial Replacement Of Cement With White Marble Powder
	1670140172	Vamsidhar Reddy Gangireddygari	
	1670140170	Uma Maheswar Reddy Palle	
	1570140117	Giridhar Palathotti	
15	1670140176	Venkata Siva Prasada Reddy Adena	Experimental Study On Self Curing Concrete For M30 Grade Of Opc By Using Polyethylene Glycol 400
	16701a0174	Venkata Sai Kishore Gundala	
	16701a0156	Sreenivasulu Aaluri	
	16701a0152	Shaik Mohammed Rafi Chabuksavar	
16	16701a0148	Sai Rohith Reddy Nandhimandalam	Design Of Different Types Of Bracing System For Steel Transmission Towers
	16701a0167	Syamala Bodicharla	
	1670140179	Vijay Bata	
	16701a0143	Ranadheer Pratap Reddy Siddavaram	
17	16701a0158	Srinadh Koppala	Effect On Strength Properties Of Concrete Containing Seashell Powder As A Partial Substitution Of Cement And Silica Fume Used As Admixture
	1570140162	Sunder Zabdial Velpula	
	16701a0155	Sreekanth Reddy Beeram	

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

B No.	Roll No.	Name Of The Student	Title Of The Project
	16701a0162	Sunder Zabdial Velpula	
18	16701a0159	Srinivasulu Gouda	Utilization Of Waste Plastics And Waste Rubber Tyres In Flexible Pavements
	16701a0168	Thanuja Ganesam	
	1670140153	Shiva Kumar Muttana	
	16701a0169	Tharun Bannoth	
19	16701a0161	Sudheer Kumar Sadhu	Assessment Of Ground Water Quality In A Regional Ground Water System
	17705a0113	Rajesh Kumar Kuruva	
	16701a0171	Vamsee Vardhan Reddy Malapati	
	16701a0150	Sarathkumar Bommu	
20	15701a0164	Suresh Madam	Survey On Total Quality Management (Tqm)
	17705a0116	Thirumalesh Teja N	
	17705a0114	Ravi Kumar V	
	16701a0146	Rochees Rao Bokkalla	

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PROJECT WORK BATCHES : - 2019-20				
IV EEE -A				
SL.No	Batch Roll Nos	Name of the Student	Guide Name	Titile of the Project
1	16701A0222	JANAKI S	Dr.P.B.CHENNAIAH	DESIGN AND IMPLELMENTATION OF SOLAR AND WIND BASED MICROGRID FOR ENERGY MANAGEMENT BY USING HOMER PRO SOFTWARE
	16701A0234	MAHESWARI K		
	16701A0225	KIRAN Y		
	16701A0209	BHASKAR REDDY P		
2	16701A0217	GURU SAI HARSHITHA P	R.MADHAN MOHAN	A FAULT MONITORING AND IDENTIFICATION IN TRASMISSION SYSTEM BY USING IOT
	16701A0205	ARUNA KUMARI P		
	16701A0206	BALA SUBBA REDDY N		
	16701A0230	LOKESH A		
3	16701A0224	KEERTHI N	S.SARADA	Reverse voltage topology for three phase 9 level inverter fed induction motor drive
	16701A0229	LASHYA B		
	16701A0223	JANARDHAN B		
	16701A0203	AKHIL A		
4	16701A0212	DAKSHAYANI M	P.SURESH BABU	Modeling of an Intelligent battery controller for standalone solar wind hybrid distributed GENERATION SYSTEM
	16701A0236	MANJUNATHA V		
	17705A0209	INDUPRIYA M		
	16701A0202	AJAY T		
5	16701A0221	JAHNAVI N	B.MURALI MOHAN	IMPROVEMENT OF POWER QUALITY BY A SERIES APF WITH CRITICAL LOAD BUS BOLTAGE FEEDBACK THAT AVOIDS INJECTION TRANFORMER SATURATION
	16701A0210	CHAND BASHA C		
	16701A0215	GOPAL REDDY D		
	16701A0219	HARATHI M		
6	17705A0203	ESWAR Y	N.SREERAMULA REDDY	WIND MILL POWER GENERATION SCREEN USING SCADA
	17705A0204	GANESH D		
	17705A0201	AMARNATHREDDY M		
	16701A0235	MANJUNATH REDDY M		
7	16701A0231	LOKESH KUMAR K	P.BHASKAR PRASAD	FINGERPRINT AND GSM FOR RFID BASED EXAMINATION SEATING GUIDANCE SYSTEM
	16701A0208	BHARGAV B		
	17705A0208	IMAM FAROOQ T		
	16701A0201	AJAY KUMAR REDDY K		
8	16701A0227	KRISHNA TEJA V	C.GANESH	DESIGN OF ACTIVE POWER FILTER PERFORMANCE FOR RENEWABLE ENERGY SOURCES
	16701A0216	GURU LAHARI G		
	17705A0205	GURU HARSHAVARDHAN REDDY D		
	16701A0228	LAKSHMAN SAI K		
9	16705A0226	KRISHNA REDDY P	Dr.M.PADMA LALITHA	WIRELESS NOTICE BOARD WITH TEXT AND VOICE INPUT ALONG WITH HOME AUTOMATION
	16701A0233	MAHENDRA REDDY P		
	16701A0218	GURUSAI S		
	16701A0211	CHARAN SAI A		
10	17705A0206	HARIKRISHNA B	D.SAI KRISHNA KANTH	SOLAR BASED HEAD PROTECTIVE DEVICE
	17705A0202	ANIL KUMAR REDDY T		
	17705A0207	HARSHA G		
	16701A0214	GANGADHAR REDDY A		
11	16701A0242	NIVAS REDDY M	Dr.M.PADMA LALITHA	Fully Automated solar power multipurpose Robot
	17705A0219	PARASURAM C		
	16701A0240	NAVEEN KUMAR RAO M		
	16701A0241	NEELA GANGADHAR B		

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SL.No	Batch Roll Nos	Name of the Student	Guide Name	Titile of the Project
12	16701A0267	SRAVANA SANDHYA S	L.BAYA REDDY	UNDERGROUND CABLE FAULT DETECTION
	17705A0218	NAGAVENI N		
	17705A0213	KRISHNA NAIK V		
	16701A0260	SANDEEP REDDY T		
13	17705A0214	LAKSHMIPRASANNA R P	Dr.P.B.CHENNAIAH	IOT BASED SMART GARBAGE AND WASTE MONITORING SYSTEM USING MQTT PROTOCOL
	16701A0239	NARESH BABU P		
	17705A0212	KALYAN RAM B		
	16701A0238	NAGENDRA A		
14	16701A0248	PRIYANKA Y	S.MUQTHIAR ALI	DESIGN AND COTROL OF MICRO GRID FED BY RENEWABLE ENERGY GENERATING SOURCES
	16701A0253	RASI B		
	15701A02B5	VISHNU THEJA M		
	16701A0242	PRAVEEN B		
15	16701A0254	RASOOL N	Dr.P.GOPI	IMPLEMENTATION OF SOLAR PHOTOVOLTAIC DATA MONITROING SYSTEM USING IOT
	16701A0269	SREENIVASULU M		
	16701A0251	RAJESH M		
	16701A0265	SOMESWAR REDDY K		
16	16701A0246	PHANI MALLIKARJUNA REDDY A	Dr.S.SURESH	SMART HOME SECURITY SYSTEM USING GSM AND IOT
	17705A0215	MAHESWARA REDDY G		
	16701A0243	PARAMESWARA REDDY D		
	16701A0245	PAVANKUMAR REDDY B		
17	16701A0255	RAVINATH REDDY M	S.S.DEEKSHITH	USE OF INTEGRATED PV-ELECTRIC SPRING AS A POWER BALANCER IN POWER DISTRIBUTION NETWORKS
	17705A0211	KALYAN CHAKRADHAR B		
	16701A0250	RAJASEKHAR N		
	16701A0264	SIVA TEJA REDDY N		
18	16701A0256	REDDY KUMAR D	B.MADHUSUDHAN REDDY	APPLICATION OF MULTILEVEL CONVERTER FOR FAST CURRENT CONTROL IN SMALL SCALE DC POWER NETWORK
	16701A0261	SANJEEVA REDDY P		
	16701A0268	SREENIVASULU D		
	17705A0216	MAHESWARA REDDY M		
19	16701A0257	SAI KUMAR REDDY Y	M.RAMESH	SMART HELMENT SYSTEM
	17705A0223	SAMBASIVA E		
	16701A0259	SAMARA SIMHA REDDY K		
	16701A0252	RAMA MANIKANTA C		
20	17705A0229	VENKATARAMANA V	M.SAI SANDEEP	ATMEGA MICROCONTROLLER BASED COMMERCIAL POWER SAVER PROJECT
	17705A0230	VENKATASUDARSHANA REDDY V		
	17705A0231	VIJAY KUMAR P		
	17705A0226	SRIRAM REDDY G		
21	16701A0283	VENUKA DEVI B	M.RAMESH	IDENTIFICATION OF UNDERGROUND FAULT BY USING IOT
	16701A0281	VENKATA SUBBA REDDY N		
	17705A0228	VASUDHA A		
	16701A0278	VENKAT NAGENDRA A		
22	16701A0277	VARALAKSHMI B	R.MADHAN MOHAN	SIMULATION OF GRID INTERACTIVE PERMANENT MAGNET BRUSHLESS DC MOTOR DRIVEN SOLAR WATER PUMPING SYSTEM
	16701A0274	UMA MAHESWARI		
	16701A0282	UMA DEVI D		
	16701A0285	YASWANTH REDDY M		
23	17705A0224	SASHI VARDHAN REDDY C	SAHEER ALI KHAN	IMPROVEMENT OF POWER QUALITY FOR SYNCHRONUS GENERATOR BASED DIESEL PV
	16701A0286	YOGANATHA REDDY C		
	17705A0227	UMAMAHESWARI M		

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SL.No	Batch Roll Nos	Name of the Student	Guide Name	Titile of the Project
	16701A0287	YOGESH REDDY V		HYBRID MICRO GRID SYSTEM
24	16701A0280	VENKATA SIVA REDDY R	P.RAVINDRA PRASAD	DC MOTOR SPEED SYNCHRONIZAATION FOR ROLLING MILLS
	16701A0284	VIDHYAVATHI P		
	17705A0225	SINDHUJA P		
	16701A0276	VAMSIDHAR REDDY O		
25	17705A0249	NAVEEN KUMAR RAJU	S.SAGAR REDDY	PQ ENHANCEMENT IN DG USING VOLTAGE REGULATOR
	16701A0264	RAMI REDDY		
	15701A0257	PRASAD K		
	15701A0255	PRADEEP KUMAR K		
26	16709A0202	BHANU CHANDRA LEKHA P	M.MARUTHI NANDHINI	AN IMRPOVED ANFIS ADAPTIVE P&O TECHNIQUE FOR TWO STAGE GRID INTERFACED SPVECS
	16709A0212	REVANTH S		
	16709A0207	LAKSHMI KEERTHANA P		
27	16709A0211	MUSKHAN B	K.HARINATH REDDY	Performance of LMN BASED ADAPTIVE CONTROL FOR POWER QUALITY IMPROVEMENT OF GRID
	16709A0205	KARTHIK KUMAR REDDY K		
	15709A0227	VINAY KUMAR REDDY R		
28	16709A0204	GNANESWARI G	P.AYUB KHAN	Managemnt of Rapid current in small size power system by using multilevel converter
	16709A0217	SUSHMITHA M		
	16709A0218	SWATHI G		
	16709A0214	SAINATH REDDY B		
29	16701A0283	VENUKA DEVI B	M.RAMESH	IDENTIFICATION OF UNDERGROUND FAULT BY USING IOT
	16701A0281	VENKATA SUBBA REDDY N		
	17705A0228	VASUDHA A		
	16701A0278	VENKAT NAGENDRA A		
30	17705A0224	SASHI VARDHAN REDDY C	SAHEER ALI KHAN	IMPROVEMENT OF POWR QUALITY FOR SYNCHRONOUS GENERATOR BASED DIESEL -PV HYBRID MICRO GRID SYSTEM
	16701A0286	YOGANATHA REDDY C		
	16701A0287	YOGESH REDDY V		
31	16709A0210	MOUNIKA M	MS.P.jYOSHNA	WIRELESS THREE PHASE MOTOR STARTER USING RF TECHNOLOGY WITH FEEDBACK INDICATORS
	16709A0209	MOULALI REDDY N		
	16709A0216	SUNEEL S		
	16709A0215	SOWMYA REDDY P		

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Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of project batches formed after ARC for the academic project work (2019-2020) during Fourth year.

Year: **IV**
Sec: **A**

Batch	H.T.No	Name of the student	Guide Name	Project Title
A 1	16701A0314	Kalyan Babu C	Sri.N.Nagaraju	Experimental investigation and optimization of drilling process parameters on conventional drilling machine for HSTR materials by using gray Taguchi method
	16701A0334	Kondreddy Sathish Kumar R		
	16701A0333	Reddy Raja S		
	16701A0327	Penchala Yogesh Kumar K		
A2	16701A0326	Pavan Kalyan K	Smt. N. Deepthi	Making a Composite Material from Recycled Plasti
	17705A0303	DINESH BUCHUPALLI		
	17705A0302	DHEERAJ PATIL		
A 3	16701A0310	Harish Kumar J	Sri V Venkatesh	DEVELOPMENT OF 3D HOMOGENOUS COMPOSITE SCAFFOLD
	16701A0309	Guruvishnuvardhan Reddy Y		
	16701A0320	Nagendra Babu K		
	16701A0330	Purushotham L		
A 4	16701A0308	Dhanush Vaishnav P	Mr.V Mallikarjuna	Optimization of Machining Parameters for Milling operations on Derlin in a vertical CNC Milling with dry condition
	16701A0317	S Mohammad Sadh		
	16701A0305	Balaji G		
	16701A0328	Prakash N		
A 5	16701A0329	Prathap G	Mr.R.V.N.R Surya Praksah	An Advanced Technique to develop the Cell formation in cellular manufacturing system
	16701A0331	Chintakayala Ram Babu		
	16701A0321	Narayana Reddy G		
A 6	16701A0307	Dadapeer S	Sri G Amarnath	QUANTIFICATION ANALYSIS OF MOLECULAR IMAGES USING AFFINITY PROPAGATION
	17705A0301	CHAKRADHAR BUMIREDDYGARI		
	17705A0304	GOVINDU KOTHAPALLI		
	15701A0302	Ahmad Khan P		
	16701A0332	Ramu G		
A 7	15701A03A7	Harish Kumar GCV	Sri. N JAYAKRISHNA	A RETINAL BLOOD VESSEL TRACKING BY USING GAUSSIAN PROCESS AND RADON TRASFORM
	16701A0322	Naveen Kumar Reddy D		
	16701A0304	Bala Obulesu M		
A 8	16701A0303	Adi Narasimha Rao K	Sri C Tirupathaiah	Mechanical and Morphological Properties of Aluminium Hybrid Composites
	16701A0301	Abdul Rehman S		
	16701A0324	Obul Reddy P		
	16701A0311	Janardhan N		
	15709A0304	Dheeraj Reddy D		
A 9	16701A0323	Nikhil Kumar B	Mr.G.Venkata Ajay Kumar	ROBOTOR AN AUTONOMOUS VEHICLE FOR TARGET DETECTION AND OPTIMAL PATH SELECTION
	17705A0310	MADHUSUDHANA VADDIREDDY		
	15701A0328	Hemanthkumar T		
	16701A0313	Jayasimha U		
	15701A0390	P.Sukumar		
A 10	16701A0325	Obulesu G	Sri B santosh kumar	Fabrication and Thermal characterization of GFRP Composite
	17705A0305	HEMANTH ALAVALA		
	16701A0319	Nagarjuna Reddy N		
	16701A0316	Manojkumar D		
	15701A0332	kamalakar Reddy		

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Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of project batches formed after ARC for the academic project work (2019-2020) during Fourth year.

IV Year B Section

B.No.	H.T No	Name of the student	Guide Name	Project Title
B1	**17705A0313**	**BESTALA NAGARAJA**	Sri.K.Ajay Kumar Reddy	Enchancement of Corrosion Resistance of Magnesium Alloy by Physical Vapour deposition
	16709A0310	MEEGADA SAIKUMAR REDDY		
	16709A0303	YAPARLA DEVAKANTHA REDDY		
	16701A0347	BHUMANAPALLI THARUN KUMAR REDDY		
	17705A0314	NALLAM NAVEEN KUMAR		
B2	**16701A0351**	**MINCHALA VENKATESH**	Sri. B VENKATESH	ADDITIVE MANUFACTURING OF SYNTACTIC FOAM BY USING POLYMER COMPOSITES
	16701A0344	MACHIREDDY SUMANTH REDDY		
	16701A0346	MACHANOOR SURESH REDDY		
	16701A0336	BUGGANA SESHASAYANA REDDY		
	16701A0353	ITIKELA YATISH KUMAR ACHARI		
B3	**16701A0350**	**MIDDE VENKATA SUBBAIAH**	Prof. D. Krishna MohanRaju	Design AND FABRICATION OF Efficient LPG Cooking Stove by Using a Heat Exchanger.
	17705A0316	GAJULA RAJ KUMAR		
	16701A0343	MADAGALAM SUMANTH		
	16701A0335	MANNEPALLE SEKHAR		
B4	**16709A0309**	**NALLAMARU PAVAN KALYAN**	Sri. D VISHNU VARDHAN REDDY	Improvement of Energy density of Aluminium based Super Capacitor by adding Graphene
	17705A0318	BALARAJU SAI SATHISH		
	16701A0345	JADA SUNEEL		
	16701A0352	URLAKUNTA VIJAYA SIMHA		
	16701A0355	MUDINENI YUVARAJ KUMAR		
B5	**16709A0311**	**TEGULAPALLI SUBBA KONDA REDDY**	Sri G Suresh Babu	DESIGN AND FABRICATION OF AUTOMATED VEGETABLES SLICING MACHINE
	16701A0348	YERUKULA UMAPATHI		
	16709A0305	RAYI HEMANTH		
	16709A0307	GANDLURU LOKESH		
	16701A0338	VENUTHURLA SIVANANDA REDDY		
B6	**17705A0317**	**NAKKA RAJESH**	Sri. S RAMESH BABU	Optimization of process parameters in friction Stir Welding on High density Polyethylene
	17705A0320	ANANTHABHOTLA SATYA GIRISH		
	16701A0349	MULINTI VENKATA SAI		
	15701A0396	K SURVA PRAKASH		
	17705A0322	MUTHOJI SRIKANTH		
B7	**17700A0301**	**GUDDETI GOVARDHAN REDDY**	Sri.P. Ravindranatha Reddy	Mathematical Modelling of MRR & RA using Regression & Buckingham Pi Theorem
	16709A0313	THOTA VENKATABHARGAV KUMAR		
	16709A0312	THUDIMELLA SURENDRA		
	16701A0337	NADIMINTI SHAIK MAHABOOB BASHA		

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Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of ARC project batches with guides for the academic project work (2019-2020) during Fourth year

B.N0.	Register number	Name of Student	Project Guide	Project Title
I	16701A0306	K. CHARAN SAI	Mr M Lokanath	MANUAL ROLLER BENDING MACHINE USING DIGITAL CONTROLLER SOFTWARE
	16701A0312	N. JASWANTH		
	16701A0302	S. ABDUR RAHIMAN		
	17705A0308	SHAIK KHALID BASHA		
II	17705A0311	N. MALLIKARJUNA REDDY	Mr S Nagendra	AUTOMATIC FIRE-FIGHTING AGV USING PLC LADDER PROGRAMMING
	17705A0307	S. KALYANA SREENIVASULU		
	17705A0306	C. JAGADEESH		
	16709A0306	N. KISHORE		
III	17705A0309	M. LOKESH	Dr P V Sanjeev Kumar	DESIGN OF COLLABORATIVE ROBOTS FOR ARC WELDING APPLICATIONS BY USING "MOTOSIM SOFTWARE
	16709A0308	U. OBULA REDDY		
	16709A0304	K. GANGADHAR REDDY		
	17705A0321	C. SOMESWAR		
IV	17705A0315	R. RAGHAVENDRA	Mrs. K Nagamani	AUTOMATIC WASHING MACHINE USING PLC LADDER PROGRAMMING
	16701A0354	S. YOGESWAR REDDY		
	17705A0312	J.MOHAN KRISHNA		
V	16701A0342	D. SUBBA REDDY	Mrs. N Glory Ujwala	Designing Arc Welding Application Along with Conveyor using Sequence Programming
	16701A0341	G. SREENIVASULU		
	16701A0340	P. SREEKANTH REDDY		

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Batch	H.T.No	Name Of The Student	Project Title
1	16701A0314	Kalyan Babu C	Experimental Investigation And Optimization Of Drilling Process Parameters On Conventional Drilling Machine For HSTR Materials By Using Gray Taguchi Method
	16701A0334	Kondreddy Sathish Kumar R	
	16701A0333	Reddy Raja S	
	16701A0327	Penchala Yogesh Kumar K	
2	16701A0326	Pavan Kalyan K	Making A Composite Material From Recycled Plastic
	17705A0303	DINESH BUCHUPALLI	
	17705A0302	DHEERAJ PATIL	
3	16701A0310	Harish Kumar J	DEVELOPMENT OF 3D HOMOGENOUS COMPOSITE SCAFFOLD
	16701A0309	Guruvishnuvardhan Reddy Y	
	16701A0320	Nagendra Babu K	
	16701A0330	Purushotham L	
4	16701A0308	Dhanush Vaishnav P	Optimization Of Machining Parameters For Milling Operations On Derlin In A Vertical CNC Milling With Dry Condition
	16701A0317	S Mohammad Sadh	
	16701A0305	Balaji G	
	16701A0328	Prakash N	
5	16701A0329	Prathap G	An Advanced Technique To Develop The Cell Formation In Cellular Manufacturing System
	16701A0331	Chintakayala Ram Babu	
	16701A0321	Narayana Reddy G	
6	16701A0307	Dadapeer S	QUANTIFICATION ANALYSIS OF MOLECULAR IMAGES USING AFFINITY PROPAGATION
	17705A0301	CHAKRADHAR BUMIREDDYGARI	
	17705A0304	GOVINDU KOTHAPALLI	
	15701A0302	Ahmad Khan P	
	16701A0332	Ramu G	
7	15701A03A7	Harish Kumar GCV	A RETINAL BLOOD VESSEL TRACKING BY USING GAUSSIAN PROCESS AND RADON TRASFORM
	16701A0322	Naveen Kumar Reddy D	
	16701A0304	Bala Obulesu M	
8	16701A0303	Adi Narasimha Rao K	Mechanical And Morphological Properties Of Aluminium Hybrid Composites
	16701A0301	Abdul Rehman S	
	16701A0324	Obul Reddy P	
	16701A0311	Janardhan N	
	15709A0304	Dheeraj Reddy D	
9	16701A0323	Nikhil Kumar B	ROBOTOR AN AUTONOMOUS VEHICLE FOR TARGET DETECTION AND OPTIMAL PATH SELECTION
	17705A0310	MADHUSUDHANA VADDIREDDY	
	15701A0328	Hemanthkumar T	
	16701A0313	Jayasimha U	
	15701A0390	P.Sukumar	
10	16701A0325	Obulesu G	

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Batch	H.T.No	Name Of The Student	Project Title
	17705A0305	HEMANTH ALAVALA	Fabrication And Thermal Characterization Of GFRP Composite
	16701A0319	Nagarjuna Reddy N	
	16701A0316	Manojkumar D	
	15701A0332	Kamalakar Reddy	
11	17705A0313	BESTALA NAGARAJA	Enchancement Of Corrosion Resistance Of Magnesium Alloy By Physical Vapour Deposition
	16709A0310	MEEGADA SAIKUMAR REDDY	
	16709A0303	YAPARLA DEVAKANTHA REDDY	
	16701A0347	BHUMANAPALLI THARUN KUMAR REDDY	
	17705A0314	NALLAM NAVEEN KUMAR	
12	16701A0351	MINCHALA VENKATESH	ADDITIVE MANUFACTURING OF SYNTACTIC FOAM BY USING POLYMER COMPOSITES
	16701A0344	MACHIREDDY SUMANTH REDDY	
	16701A0346	MACHANOOR SURESH REDDY	
	16701A0336	BUGGANA SESHASAYANA REDDY	
	16701A0353	ITIKELA YATISH KUMAR ACHARI	
13	16701A0350	MIDDE VENKATA SUBBAIAH	Design AND FABRICATION OF Efficient LPG Cooking Stove By Using A Heat Exchanger.
	17705A0316	GAJULA RAJ KUMAR	
	16701A0343	MADAGALAM SUMANTH	
	16701A0335	MANNEPALLE SEKHAR	
14	16709A0309	NALLAMARU PAVAN KALYAN	Improvement Of Energy Density Of Aluminium Based Super Capacitor By Adding Graphene
	17705A0318	BALARAJU SAI SATHISH	
	16701A0345	JADA SUNEEL	
	16701A0352	URLAKUNTA VIJAYA SIMHA	
	16701A0355	MUDINENI YUVARAJ KUMAR	
15	16709A0311	TEGULAPALLI SUBBA KONDA REDDY	DESIGN AND FABRICATION OF AUTOMATED VEGETABLES SLICING MACHINE
	16701A0348	YERUKULA UMAPATHI	
	16709A0305	RAYI HEMANTH	
	16709A0307	GANDLURU LOKESH	
	16701A0338	VENUTHURLA SIVANANDA REDDY	
16	17705A0317	NAKKA RAJESH	Optimization Of Process Parameters In Friction Stir Welding On High Density Polyethylene
	17705A0320	ANANTHABHOTLA SATYA GIRISH	
	16701A0349	MULINTI VENKATA SAI	
	15701A0396	K SURVA PRAKASH	
	17705A0322	MUTHOJI SRIKANTH	
17	17700A0301	GUDDETI GOVARDHAN REDDY	Mathematical Modelling Of MRR & RA Using Regression & Buckingham Pi Theorem
	16709A0313	THOTA VENKATABHARGAV KUMAR	

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Batch	H.T.No	Name Of The Student	Project Title
	16709A0312	THUDIMELLA SURENDRA	
	16701A0337	NADIMINTI SHAIK MAHABOOB BASHA	
18	16701A0306	K. CHARAN SAI	MANUAL ROLLER BENDING MACHINE USING DIGITAL CONTROLLER SOFTWARE
	16701A0312	N. JASWANTH	
	16701A0302	S. ABDUR RAHIMAN	
	17705A0308	SHAIK KHALID BASHA	
19	17705A0311	N. MALLIKARJUNA REDDY	AUTOMATIC FIRE-FIGHTING AGV USING PLC LADDER PROGRAMMING
	17705A0307	S. KALYANA SREENIVASULU	
	17705A0306	C. JAGADEESH	
	16709A0306	N. KISHORE	
20	17705A0309	M. LOKESH	DESIGN OF COLLABORATIVE ROBOTS FOR ARC WELDING APPLICATIONS BY USING “MOTOSIM SOFTWARE
	16709A0308	U. OBULA REDDY	
	16709A0304	K. GANGADHAR REDDY	
	17705A0321	C. SOMESWAR	
21	17705A0315	R. RAGHAVENDRA	AUTOMATIC WASHING MACHINE USING PLC LADDER PROGRAMMING
	16701A0354	S. YOGESWAR REDDY	
	17705A0312	J.MOHAN KRISHNA	
22	16701A0342	D. SUBBA REDDY	Designing Arc Welding Application Along With Conveyor Using Sequence Programming
	16701A0341	G. SREENIVASULU	
	16701A0340	P. SREEKANTH REDDY	

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B.NO	HT.NO	Name of the Candidate	Title of the Project
1	16701A0515	DEEKSHITHA DWARSHALA	A PROPOSED MODEL FOR PREDICTING EMPLOYEES PERFORMANCE USING DATA MINING TECHNIQUES EGYPTIAN CASE STUDY
	16701A0550	NEELAVENI PULLA	
	16701A0536	LEELAVATHI SIDHANATHAM	
	16701A0532	LAKSHMI SAI V	
2	16701A0505	BHAGYA LAKSHMI GOSULA	AUTOMATIC SPEAKER RECOGNITION SYSTEM USING K-NEAREST NEIGHBORS & RANDOM FOREST ALGORITHMS
	16701A0522	HARITHA YEDDULA	
	16701A0523	HARSHAVARDHAN REDDY ATLA	
	16701A0521	GOWRI POLIMERA	
	16701A0506	BHARATH CHOWDARY KOLLA	
3	16701A0502	AKHILA REDDY KAMATAM	PRIVACY-PRESERVING USER PROFILE MATCHING IN SOCIAL NETWORKS
	16701A0524	HYMAVATHI	
	16701A0525	JAKEER HUSSAIN SHAIK MIDDE	
	16701A0542	MASTHAN SHAIK	
	16701A0549	NARENDRA REDDY PAKKIRIGARI	
4	16701A0545	MOUNIKA JINKALA	A VISION BASED INDOOR NAVIGATION SYSTEMS FOR SMARTPHONE
	16701A0548	NAGAHANOOSHA INDURI	
	16701A0547	MRUNALINI DHAIPULE	
	16701A0518	DIVYA REDDY GAJJALA	
	16701A0535	LAVANYA BOMMI	
5	16701A0552	NIKHILA PRANATHI YANNAM	DETECTING PICKPOCKET SUSPECTS FROM LARGE-SCALE PUBLIC TRANSIT RECORDS
	16701A0541	MAMATHA MULAPAKU	
	16701A0509	BHUVANESWARI PALLE	
	16701A0528	KALYAN CHAKRAVARTHI REDDY BOGGULA0	
	16701A0530	KHADAR VALLI SHAIK	
6	16701A0529	KANCHANA MEKALA	SUPERVISED SEARCH RESULT DIVERSIFICATION VIA SUBTOPIC ATTENTION
	16701A0556	PALLAVI M S	
	16701A0539	MAHENDRA PULA	
	16701A0554	NIRMAL ANAND REDDY VANKANA	
	16701A0526	JASWANTH P	
7	16701A0560	PAVITHRA DESAM	SMART IRRIGATION AND CROP PROTECTION FROM WILD ANIMALS
	16701A0507	BHARGAVI PENUJURI	
	16701A0538	MADHURI DEVAREDDYGARI PAPIREDDYGARI	
	16701A0519	ELIYAS ALI KAVALI SHAIK	
	16701A0543	MOHAMMAD SOHAIB SHAIK	
8	16701A0512	CHENNA REDDY GOOLI	DETECTING FAKE NEWS WITH MACHINE LEARNING METHOD
	16701A0551	NIDHISREE YARRABABU	
	16701A0540	MALATHI GADI KRISHNA REDDY GARI	

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B.NO	HT.NO	Name of the Candidate	Title of the Project
	16701A0531	KHALID SHAIK	
	16701A0558	PAVAN KUMAR REDDY KATTE	
9	16701A0559	PAVITHRA BUSSIREDDY	A DEEP Q LEARNING NETWORK FOR TRAFFIC LIGHTS CYCLE CONTOL IN VEHICULAR NETWORKS
	16701A0527	JYOSHNA PORAKALA	
	16701A0533	LASHYA CHALLA	
	16701A0584	SILPARANI PANATHALA	
	16701A0508	BHAVANA REDDY BATHINA	
10	16701A0513	CHHAITHNNYA ATLA	DETECTING MALICIOUS ACCOUNTS IN SOCIAL NETWORK BASED ONLINE PROMOTIONS
	16701A0544	MOUNIKA GADDAM	
	16701A0504	AYESHA JALADANGI	
	16701A0514	CHINNA REDDAMMA KURUGUNTLA	
11	16701A0537	MADHAVI MALLARAM	ROAD TRAFFIC SPEED PREDICTION:A PROBABILISTIC MODEL FUSING MULTISOURCE DATA
	16701A0517	DIVYA POTHURU	
	16701A0553	LASHYA CHALLA	
	16701A0557	PAVAN KALYAN REDDY NAGELLA	
	16701A0520	GIRISH BOGA	
12	16701A05A4	UZMA NAGUR	TRUST-BASED PRIVACY PRESERVING PHOTO SHARING IN ONLINE SOCIAL NETWORKS
	16701A0570	SABEEHA SHAIK	
	16701A0568	REVATHI GOLLAPINNI	
	16701A0573	SAI UPENDRA MUDOMANASU	
	16701A0574	SAI VINEEL KOMERA	
13	16701A0562	PRASANTHI MAMIDI	DETECTION OF FAKE ONLINE REVIEWS USING SEMI-SUPERVISED AND SUPERVISED LEARNING
	16701A0588	SRAVANI GUVVALA	
	16701A05A9	VENKATA KISHORE GUNDLAPALLI	
	16701A0563	PRATHYUSHA VIRAPURAM	
	16701A05B0	VENKATA SAI MANOJ INDLA	
14	16701A05B2	VENKATA SAILOKESWARI POLARAPU	AUTOMATIC SPEAKER RECOGNITION SYSTEM USING SVM & MULTILAYER PERCEPTRONS ALGORITHMS
	16701A05A8	VENKATA JAGADEESH PENDLIMARRI	
	16701A05A1	UMA MAHESWARI KONDAMEEDI	
	16701A0585	SIREESHA KAMBELLA	
	16701A0565	PURUSHOTHAM RAJU ADDEPALLI	
15	16701A05B6	VYSHNAVI KUMARI MANCHALA	DRIVER DROWSINESS DETECTION USING VISUAL INFORMATION ON ANDROID DEVICE
	16701A05A3	UPENDRA NETHAGANI	
	16701A0571	SAHITHI ARAVA	
	16701A0590	SREEVANI MALLE	
	16701A0591	SUBAN DUDEKULA	
16	16701A0582	SHIVA POOJITHA GANJIKUNTA	FACE RECOGNITION BASED ATTENDANCE SYSTEM
	16701A0597	SWARNALATHA MIRIYAM	

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B.NO	HT.NO	Name of the Candidate	Title of the Project
	16701A0564	PRAVALLIKA ZILLA	
	16701A05B3	VENKATA SAITEJA YEARVA	
	16701A05B5	VISHNU VARDHAN LINGAM	
17	16701A05B1	VENKATA SAI PRANATHI BOKKASAM	AUTOMATIC AUTOMATION OF TEXT WITH PICTURES
	16701A0579	SHAHERA SHAIK	
	16701A0567	RADHAMMA KATINENI	
	16701A0584	SILPARANI PANATHALA	
	16701A05A5	VAGDEVI TATA	
18	16701A0595	SUPRAJA CHINTAKUNTA	A SMARTPHONE BASED SYSTEM FOR IMPROVING PEDESTRAIN SAFETY
	16701A0581	SHAMSHOON CHERUKURU	
	16701A0576	SAKINA DUDEKULA	
	16701A0577	SALEEM THONDURU	
	16701A05B4	VISHNU DEVA REDDY DESAI	
19	16701A05B7	VYSHNAVI YERRAMREDDY	A FRAMEWORK FOR REAL-TIME SPAM DETECTION IN TWITTER
	16701A0580	SHAMEEM AFROSE DADANAYAK	
	16701A05A0	UDAY KUMAR KALVAPALLI	
	16701A0599	THEJASWINI MUMMADI	
	16701A0589	SREENATH KEDEM	
20	16701A0572	SAI MOUNISHA B	PREDICTING THE DRUNKEN DRIVERS USING FACE ANALYSIS THROUGH CNN
	16701A0587	SNEHA LATHA KONIREDDY	
	16701A0578	SATHYA NARAYANA REDDY POLI	
	16701A0561	PRADEEP KUMAR DASARI	
	16701A05A2	UMAMAHESWAR REDDY VELAGACHERLA	
21	16701A0592	SUNANDA BANDI	PERFORMANCE ANALYSIS OF MACHINE LEARNING TECHNIQUES TO PREDICT DIABETES MELLITUS
	16701A05A7	VENKATA CHENNA GAYATHRI DEVI MADURU	
	16701A0598	SWETHA MANNURU	
	16701A0596	SUSMITHA UMALARAJU	
22	16701A0566	PUSHPAVATHI BELLALA	PLANT LEAF RECOGNITION USING A CONVOLTION NEURAL NETWORK
	16701A0594	SUNITHA MOOLA	
	16701A05A6	VEERA PRATHAP REDDY TELLA	
	16701A0586	SIVA TEJA GANDLA	
23	16701A0593	SUNEEL KUMAR REDDY KATIKAREDDY	MINING USERS TRUST FROM E-COMMERCE REVIEWS BASED ON SENTIMENT SIMILARITY ANALYSIS
	16701A0583	SIDDARDHA NIDIGINTI	
	16701A05B8	YASIN SHAIKHAMMATTIGARI	
	16701A0575	SAINATH ANANTHAGIRI	
	16709A0501	JAKEER HUSSAIN SHAIK MIDDE	
24	16709A0512	CHENNA REDDY GOOLI	CROSS-DOMAIN SENTIMENT ENCODING THROUGH

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B.NO	HT.NO	Name of the Candidate	Title of the Project
	16709A0525	JAKEER HUSSAIN SHAIK MIDDE	STOCHASTIC WORD EMBEDDING
	16709A0543	MOHAMMAD SOHAIB SHAIK	
	16709A0528	KALYAN CHAKRAVARTHI REDDY BOGGULA	
	16709A0507	BHARGAVI PENUJURI	
25	16709A0541	MAMATHA MULAPAKU	A NEW CNN-BASED METHOD FOR MULTI-DIRECTIONAL CAR LICENCE PLATE DETECTION
	16709A0502	AKHILA REDDY KAMATAM	
	16709A0517	DIVYA POTHURU	
	16709A0537	MADHAVI MALLARAM	
	16709A0503	ANIRUDH LAVADI	
26	16709A0538	SANDHYA PASALA	PAYROLL MANAGEMENT SYSTEM
	16709A0506	CHARISHMA MANNURU	
	16709A0555	VEERA SRAVANI MUDIAM	
	16709A0542	SIREESHA PULLURU	
	16709A0518	KEERTHI POTHULA	
27	16709A0509	DURGALAKSHMI PRASANNA NAGA	ALZHEIMER DETECTION MODEL APPLYING ARTIFICIAL INTELLIGENCE TECHNIQUES
	16709A0553	TEJASWINI NANDYALA	
	16709A0551	SWATHI SANGARAJU	
	16709A0554	VAMSEE KRISHNA REDDY AVULA	
	16709A0513	HAROON RASHID SHAIK	
28	16709A0548	SREEVANI KOTTAPU	STYDENT ATTENDANCE MONITORING SYSTEM USING RFID
	16709A0556	VENKATA NAGA ANUSHA GUDURU	
	16709A0530	PRUDHVI RAJ CHIMAKURTHI	
	16709A0534	SAHITHI ONIPENTA	
	16709A0559	WASIM AHMED SHAIK	
29	16709A0550	`SUSMITHA AKEPATI	A NEW DEADLOCK FREE-ADAPTIVE FAULTTOLERANT ROUTING ALGORITHM
	16709A0532	REDDYVANI ANIGANI	
	16709A0558	PAVAN KUMAR REDDY KATTE	
	16709A0515	DEEKSHITHA DWARSHALA	
	16709A0545	SNEHITHA REDDY TURAKA	
30	16709A0529	KANCHANA MEKALA	SMALL LUNG NODULES DETECTION BASED ON LOCAL VARIANCE ANALYSIS AND PROBABLIISTIC NEURAL NETWORK
	16709A0523	HARSHAVARDHAN REDDY ATLA	
	16709A0527	JYOSHNA PORAKALA	
	16709A0524	HYMAVATHI POLARAPU	
	16709A0546	NIMAGNA POLA	
31	16709A0508	BHAVANA REDDY BATHINA	AUTOBOT RESILIENCE AND COST EFFECTIVE SCHEDULING OF A BAG OF TASKS ON SPOT VMs
	16709A0516	RADHAMMA KATINENI	
	16709A0505	BHAGYA LAKSHMI GOSULA	
	16709A0544	MOUNIKA GADDAM	

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B.NO	HT.NO	Name of the Candidate	Title of the Project
	16709A0520	GIRISH BOGA	
32	16709A0521	GOWRI POLIMERA	AITS EMPLOYEE MANAGEMENT SYSTEM USING NFC
	16709A0519	ELIYAS ALI KAVALI SHAIK	
	16709A0514	CHINNA REDDAMMA KURUGUNTLA	
	16709A0552	NIKHILA PRANATHI YANNAM	
33	16709A0549	NARENDRA REDDY PAKKIRIGARI	ROBUST BIG DATA ANALYSIS FOR ELECTRICITY PRICE FORECASTING IN THE SMART GRID
	16709A0526	JASWANTH P	
	16709A0557	PAVAN KALYAN REDDY NAGELLA	
	16709A0510	SIDDARDHA NIDIGINTI	
34	16709A0522	HARITHA YEDDULA	ON THE STRENGTH OF PRIVACY METRICS FOR VEHICULAR COMMUNICATION
	16709A0504	AYESHA JALADANGI	
	16709A0540	MALATHI GADI KRISHNA REDDY GARI	
	16709A0531	KHALID SHAIK	
35	16709A0535	LAVANYA BOMMI	ANDROID COLLEGE MANAGEMENT SYSTEM
	16709A0501	JAKEER HUSSAIN SHAIK MIDDE	
	16709A0539	MAHENDRA PULA	
	16709A0533	LASHYA CHALLA	

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LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2019-20			
S.NO	**Hall ticket No**	**Name of the Student**	**Name of the Title**
1	18701E0001	AMARANATHA REDDY REDDEM	A STUDY ON WORKING CAPITAL MANAGEMENT
2	18701E0002	ANITHA BANDI	A STUDY ON CASH FLOW ANALYSI WITH REFERENCE TO MSN LABORATORIES PVT LTD
3	18701E0003	ANJALI YARAM	A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ZUARI CEMENT
4	18701E0004	ANUSHA CHAVVA	A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO RELIANCE JIO INFOCOM LTD. PULIVENDULA
5	18701E0005	BHARATH KUMAR NUNISETTY	A STUDY ON BRAND AWARNESS AND CUSTOMER SATISFACTION TOWARDS CEAT TYRES, KADAPA
6	18701E0006	BRAMHAM GONGI	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFREENCE TO CHAITANYA CHEMICALS KADAPA
7	18701E0007	CHAITHANYA DEBAKU	A STUDY ON PURCHASING DECISION AND SATISFACTION OF CONSUMERS TOWARDS SRI DURGA AUTOMOTIVES
8	18701E0008	CHANDRA NALLA	A STUDY ON DEALER SATISFACTION WITH REFERENCE TO PENNA CEMENT INDUSTRIES LIMITED, HYDERABAD.
9	18701E0009	CHANDRAKALA YERASI	A STUDY ON INVENTORY MANAGEMENT WITH REFERENCE TO PENNA CEMENT, TADIPATRI
10	18701E0010	CHANDRIKA RAMIREDDY	A STUDY ON RATION ANALYSIS WITH REFERENCE TO ZUARI CEMENTS PVT LTD, YERRAGUNTLA
11	18701E0011	DAMODARA SANJEEVA MIDDE	A STUDY ON CONSUMER BUYING BEHAVIOUR WITH REFERENCE TO AMRUTH AGRO FARM'S PVT. LTD (SRI AMRUTH MILK DAIRY) PRODDUTUR (516361) KADAPA
12	18701E0012	DHANA LAKSHMI KONATHALAPALLI	A STUDY ON FUNDSFLOW WITH REFERENCE TO EMPRADA MINES & MINERALS LTD
13	*17701E0013*	*GOPALA KRISHNA G*	A STUDY ON FINANCIAL RATIO ANALYSIS WITH REFERENCE TO SUPER SPINNING MILLS LTD. HINDUPUR
14	18701E0013	DIVAKAR BABU PEDULLAPALLE	A STUDY ON LIQUIDITY AND PROFITABLITY WITH REFERENCE TO RAYALASEEMA HI-STRENGHT HYPO PVT LTD
15	18701E0014	HARI PRASAD KONETI	A STUDY ON CASH FLOW STATEMENT WITH REFERENCE ANANTHA PVC PIPES PVT LTD ANANTHAPURAMU
16	18701E0015	HARINATHREDDY LINGEPALLI	A STUDY ON DEALER SATISFACTION WITH REFERENCE TO JINDAL STEEL POWER LTD BELLARY KARNATAKA
17	18701E0016	IMRAN KHAN PATAN	A STUDY ON PURCHASING DECISION AND SATISFACTION OF CONSUMERS TOWARDS VK HONDA SCOOTERS
18	18701E0017	JAYACHANDRA KORVI	A STUDY ON WORKING CAPITAL ON PROFITABLITY WITH REFERENCE TO EMPRADA MINES AND MINERALS PVT LTD RAJAMPET
19	18701E0018	KALYAN LAKIDI	A STUDY ON LEVERAGE ANALYSIS WITH REFERENCE TO DODLA DAIRY
20	18701E0019	KALYANI PALLETI	IMPACT OF BACKGROUND MUSIC AND ABIENT LIGHTING ON STORE SATISFACTION, SHOPPING, ENJOYMENT AND PATRONAGE
21	18701E0020	LAKSHMAN RAO KATIKA	A STUDY ON SUPPLY CHAIN FINANCE MANAGEMENT WITH REFERENCE TO ANANTHA PVC PIPES PVT LTD ANANTHAPURAMU
22	18701E0021	MANI KARTHIK DONADI	A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO HAROON MOTORS

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23	18701E0022	MANOHAR REDDY MARTHALA	A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT WITH REFERENCE V K HONDA KADAPA
24	18701E0023	MOUNIKA MADINENI	A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO ANANTHA P.V.C PIPES PVT. LTD, ANANTAPUR
25	18701E0024	NAGA VENKATA SAI RAM MANIKANTAN V	A STUDY ON CASH FLOW ANALYSIS WITH REFERENCE TO CHAITANY CHEMICALS KADAPA
26	18701E0025	NARESH BATALA	A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ANANTHA PVC PIPES
27	18701E0026	NASMITHA GANDLURI	A STUDY ON FINANCIAL PERFORMANCE ANALYSIS WITH REFERENCE TO LAKSHMI NIVITHA MINERALS LTD
28	18701E0028	PAVAN KUMAR PYDAKULA	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO ANANTHA PVC PIPES PVT LTD. ANANTHAPUR
29	18701E0029	PAVANI T	A STUDY ON LIQUIDITY AND PROFITABILITY ANALYSIS WITH REFERENCE TO CHAITANY CHEMICALS KADAPA
30	18701E0030	PICHAIAH CHINTHAKUNTA	A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO BHARATHI CEMENT PVT LTD.
31	18701E0031	PREM SUKUMAR THORIVEMULA	A STIDY ON CONSUMER PERCEPTION TOWARDS BIG BAZAR VIJAYABADA
32	18701E0032	PURUSHOTHAM KANCHARLA	A STUDY ON CONSUMER BEHAVIOUR WITH REFERENCE TO HINDUSTAN COCA-COLA BEVERAGES PVT LTD. SRIKALAHASTHI
33	18701E0033	RAMBABU ADIANDHRA	A STUDY ON ASSETS MANAGEMENT WITH REFERENCE TO SRIKALAHASTHI PIPES LTD CHITTOR
34	18701E0034	RANI MUTTALUR	A STUDY ON LIQUIDITY MANAGEMENTWITH REFERENCE TO SREE RAYALASEEMA HIGH STRENGTH HYPO LTD.
35	18701E0035	RANI YAPATI	A STUDY ON CONSUMER PERCEPTION WITH REFERENCE TO HINDUSTAN COCA-COLA BEVERAGES PVT LTD SRIKALAHASTHI
36	18701E0036	SAI CHANDANA SINGAMSETTY	EMPLOYEE RERFORMANCE MANAGEMENT WITH REFERENCE TO ZUARI CEMENT PVT LTD YERRAGUNTLA
37	18701E0037	SANDEEP GAYINI	A STUDY ON FUND FLOW STATEMENT WITH REFERENCE TO SUJALA PIPES NANDYAL
38	18701E0038	SASIKALA NAGABUSIGARI	A STUDY ON TRAINING AND DEVELOPMENT WITH REFERENCE OF BHARATHI CEMENT CORPORATION PVT LTD YERRAGUNTLA
39	18701E0039	SIRISHA KARAM	A STUDY ON FINANCIAL LIVERAGES WITH REFERENCE TO CHAITANYA CHEMICALS
40	18701E0040	SIVAJI VEERABALLI	A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO VK HONDA KADAPA
41	*17701E0041*	*RAJA SEKHAR RAJU LAGIDI*	A STUDY ON FUND FLOW STATEMENT WITH REFERENCE TO AMARAJA BATTERIES LTD CHITTOR
42	18701E0041	SIVAKRISHNA POLI	A STUDY ON LIQUIDITY AND PROFITABILITY MANAGEMENT WITH REFERENCE TO AMARA RAJA BATTERIES
43	18701E0042	SIVANAGAVARDHAN REDDY KARRA	A STUDY ON CUSTOMER PERCEPTION WITH REFERENCE TO BHARATHI CEMENT PVT LTD
44	18701E0043	SRAVANI G	A STUDY ON FUND FLOW MANAGEMENT WITH REFERENCE TO ANANTH MONARCH PIPES PVT LTD
45	18701E0044	SRAVANI KUMARI LAKKIREDDY	A STUDY ON BRAND AWARNESS AMONG AIRPORT PASSENGERS

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46	18701E0045	SRINIVAS ARAVEETI	A STUDY ON CUSTOMER RELATIONSHIP MANGEMENT WITH REFERENCE TO HAROON MOTORS, KADAPA
47	18701E0046	SUMALATHA GONGATI	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO DALMIA CEMENT LTD MYLAVARAM
48	18701E0047	SUNEETHA AREM	A STUDY ON CASH FLOW ANALYSIS WITH REFERENCE TO CHAITANYA CHEMICALS KADAPA
49	18701E0048	SURENDRA NAGULAPATI	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO CHITANYA CHEMICALS KADAPA
50	18701E0050	VENKATAREDDY VEERABOVANAPALLI	A STUDY ON WORKING CAPITAL WITH REFERENCE AMARA RAJA COMPANY TIRUPATHI
51	18701E0051	VISWANATHA REDDY ERAGALA	A STUDY ON FINANCEIAL PERFORMANCE USING RATIO ANALYSIS WITH REFERENCE BHARATI CEMENT PVT LTD YERRAGUNTLA

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Academic Year 2019-20

Code	Subject	Credits
7P2B61	Seminar	2
7P2B62	Project Thesis / Dissertation	12

A LIST OF PROGRAMMES AND STUDENTS UNDERGONE FIELD PROJECTS

S.No.	Register Number	Name of the Student	Title of the Project
1	17701F0001	PEDDIGOLLA ANANDA	EFFICIENTLY MINING FREQUENT ITEM SETS ON MASSIVE DATA
2	17701F0002	SOODA ANILKUMAR REDDY	FACE CHANGE: ATTAINING NEIGHBOR NODE ANONOMITY IN MOBILE OPPORTUNITIES SOCIAL NETWORKS WITH FINE GRAINED CONTROL
3	17701F0003	DINTAKURTHI BALAKOTESWARA RAO	P-MODE: SECURE PRIVILAGE- BASED MULTI LEVEL ORGANIZATIONAL DATA SHARING IN CLOUD COMPUTING
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Reverse Voltage Topology for 3-Φ 9-Level Inverter Fed Induction Motor Drive

A
Project Report
Submitted in partial fulfilment of the
Requirements for the award of degree of

BACHELOR OF TECHNOLOGY
In
Electrical and Electronics Engineering

By

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(16701A0229)

N. KEERTHI
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Under the esteemed guidance of
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2019-2020

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CERTIFICATE

This is to certify that the project work entitled

Reverse voltage Topology for 3-Φ Nine Level Inverter Fed Induction Motor Drive

Is a bonafied record of work done by

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CONCLUSION

A topology for reversing voltage is implemented which has superior characteristics over traditional topologies in terms of the required components such as switches, control specifications and reliability. It can be observed that the THD performance of proposed strategy is comparable to two common MLI Inverters (DC and CHB), and the output of the proposed RV topology does not even contain harmonics in the output phase and line voltages.

By duplicating the middle switch the proposed topology can be easily applied to a higher level and this method is very simple to implement. This topology is known to be a good candidate for converters used in power applications like Details, HVDC, PV, UPS, etc. In the described topology the switching operation is divided into high and low frequency sections. It will add to the efficiency of the converter, and increase the final size and cost of the prototype. IPD-SPWM and APOD-SPWM are the control methods used to switch the inverter forward. For this topology, PWM has fewer applications.

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MANAGEMENT OF RAPID CURRENT IN SMALL SIZE POWER SYSTEMS BY USING MULTI-LEVEL CONVERTER

A
Project Report
Submitted in partial fulfillment of the
Requirements for the award of degree of

BACHELOR OF TECHNOLOGY
In
Electrical and Electronics Engineering

By

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CONCLUSION

In this project, we investigated multi-level converters to realize faster current control in a dc microgrid with extremely low-impedance interconnections. The design procedure for the output filter of the power flow controller was deliberated considering the number of the output levels, steady-state ripple, and gradient of the transient change in the output current. The current-control performances of the two-level and seven level converters were investigated using simulations and experiments. The project established that a power flow controller using a multi-level converter realizes faster current control, fixing the current ripple in the same level. In this way, the multilevel power flow controllers are expected to strike a significant impact on small-scale dc distribution networks providing higher stability and reliability based on their faster power flow control.

An Improved Adaptive P&O Technique for Two Stage Grid Interfaced SPVECS

A
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Submitted in partial fulfillment of the
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Electrical and Electronics Engineering

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CONCLUSION

The proposed MPPT algorithm has been used to interface solar PVECS with a three-phase distribution feeder, which has been successfully implemented on the existing laboratory

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Fully Automated Solar Power Multipurpose Robot

A

Project Report

Submitted in partial fulfilment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

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Conclusion

It established the integration of features of all of the hardware components used. The existence of each module was reasoned out and carefully placed, thereby contributing to the unit's best functionality. Secondly, the project was successfully implemented using highly advanced ICs, with the aid of increasing technology. So the project was designed and tested successfully.

Future Scope

The project "Fully Automated Solar Power Multi-Purpose Robot" is mainly intended to design a Robot, which is capable of controlling through predefined voice commands. This system has Bluetooth module which is capable of recognizing the voice commands. Two DC motors interfaced to microcontroller through L293D Dc motor driver for controlling robot directions and solar natural energy used to robot for long back up. The micro controller is programmed in such a way that if any obstacle is present in its way it moves in the backward direction. Whenever the user can say voice command based on that the robot can be controlled.

This project can be extended by using, Zigbee, Wi-Fi, GSM module for robot controlled from longer distance through voice. By interfacing the GSM module which can observe the robot status through sends SMS are can be controlled.

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A

Project Report On

Wireless Notice Board with Text and Voice Input Along With Home Automation

Submitted in partial fulfillment of the

Requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

Electrical and Electronics Engineering

By

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Professor & Head of Department,	Professor & Head of Department,
Department of EEE,	Department of EEE,
A.I.T.S, Rajampet.	A.I.T.S, Rajampet.

FUTURE SCOPE

The project "**WIRELESS NOTICE BOARD WITH TETXT AND VOICE INPUT LONG WITH HOME AUTOMATION**" is mainly intended to display the information on P10 ED display setup what we given by the user in program.

he project can be extended using **IOT** technology, by using this we can send the information om mobile and it will get displayed on P10 LED display from any Web based Servers and atabases with predefined messages. And home automation is also possible with IOT as per equirements.

CONCLUSION

The proposed method of implementing notice board is the one which contribute ork easily i.e., displaying information without any delays. All the required wireless modules are ixed at it's respective positions and programming integrated with arduino. The normal notice oard can be replaced by this digital notice board. Whatever the circular, information required can e displayed and published easily with in no time from distant places like home or other places.

A Project Reporton

"DEVELOPMENT CF 3D HOMOGENOUSCOMPOSITE SCAFFOLD"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

by

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

(Autonomous)

ABSTRACT

In this work we investigated the cheapest way to develop the Three Dimensional(3D) scaffold. Three dimensio

CHAPTER-5

CONCLUSION

This work investigated the feasibility of fabricating a scaffold with Bio-polymer and Tri-calcium phosphate (TCP) composite utilizing a vertical CNC milling machine with addition of automatic Pneumatic extrusion system. This method would allow the process to incorporate organic solvent during the printing of a scaffold unlike other processes where heating of the biopolymer is involved. Scaffolds were printed and near optimal printing parameters for Bio-polymer/TCP compositions were determined. Scaffolds fabricated with a 60:40 (in weight percentage) Bio-polymer /TCP composite utilizing the parameters of 5.5 bars, 5 g of Bio-polymer to 4 ml of organic solvent, 1.19 mm filament spacing and 55mm/min feed rate were easy to handle with sufficient mechanical integrity. The porosity is observed that various from 700 to 800μm. A continuation of this study would include increasing the height of the scaffold. To achieve this, the scaffold fabrication process will be modified by avoiding the continuous printing of the single layer and incorporating start-stop operations to deposit each filament in the layer. Such an operation would avoid the excess build-up of material at the scaffold edge which aids in building thicker scaffolds. Finally in this study we develop the scaffold with the less cost with good properties.

A Project Report on

"DESIGN AND FABRICATION OF AUTOMATED VEGETABLES SLICING MACHINE"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

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Under the guidance of

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Assistant Professor

Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING
ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(Autonomous)
(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)
New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2019-2020

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

BONAFIDE CERTIFICATE

This to certify that the project work entitled "DESIGN AND FABRICATION OF AUTOMATED VEGETABLES SLICING MACHINE" is a bonafide project work submitted by

Y. UMAPATHI	16701A0348
T. SUBBAKONDA REDDY	16709A0311
R. HEMANTH	16709A0305
G. LOKESH	16709A0307
V. SHIVANANDA REDDY	16701A0338

in the department of MECHANICAL ENGINEERING in partial fulfillment of requirements for the award of degree of Bachelor of Technology in "Mechanical Engineering" for the academic year 2019-2020. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

PROJECT GUIDE
Mr.G.SURESH BABU
M.Tech , Assistant Professor

HEAD OF DEPARTMENT
Dr. A. HEMANTHA KUMAR
Ph.D., Professor &

Internal Examiner

External Examiner

Place:

Date:

ABSTRACT

Automation was the rage of the engineering world. The investigation on the existing vegetables cutting machine reviews the following drawbacks such as high investment cost, the contamination, additional manpower and time consumption caused by manual processing. The setup involves a hopper arrangement and the rotational motion of the motor is fixed to shaft it is connected to rotational disc it is used to slice the vegetables into pieces. The primary objectives, upon which, the present work is based are providing an alternative to the existing automated system mainly, targeting the initial investment factor, and to power a domestic product using the rotation cutter blade is tapered flat disc made of stainless steel material. There by eliminating the associated difficulties of manual vegetable cutting. The vegetables are fed in hopper. Hopper is the part through which the vegetables are fed towards the blade in the slicing chamber for slicing. For a safety purpose, there is a considerable distance from the top of the hopper to the point where the blade performs to the slicing action. It made of stainless steel. The plate or tray carriage is the steel component that conveys the sliced vegetable from the slicing chamber to the outlet. In modifying this component, a movable tray carriage is adopted in the place of a framed one. This modification aids in reducing vegetable wastage due to the compactness of the design.

6.1 Conclusion

Over the years, the traditional process of slicing vegetable has always been slow, tedious, boring, time consuming and in some cases unhygienic. Designing and fabricating a machine capable of slicing vegetable which will mechanize the slicing process for both domestic and commercial consumption becomes a necessity. The design demonstrates that simple member elements can be assembled to make a functional engineering device. Engineering materials that are rust free were selected. Simple design equations involving Cutting force, Torque, Bending moment and shear forces, etc were related in the course of going through the design process. The results and fabrication of this project has shown the possibility of manufacturing a relatively cheap, easy to use and reliable machine for slicing vegetable which reduces human effort, variation of slicing speed by the user based on the nature of the vegetable to be sliced, as a variable speed motor is utilized. Its flexibility and wide range of applicability is an added advantage. The machine was safely operated. This design is environmentally friendly as it does not use an internal combustion engine but requires power for just the electric motor, thus the production of fumes is entirely eliminated. Almost Every home in Nigeria eats vegetables. Hence, the vegetable slicing machine would serve perfectly in slicing of these vegetables into edible sizes.

A

Project Report

"ANTI COLLISION AND AUTO RETARDING SYSTEM ALONG WITH WIPER SPEED CONTROL BY USING MSP 430 MICROCONTROLLER"

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

H.G.MURALI (16701A0442)

G.KRISHNAVARDHAN REDDY (16701A0450)

Under the esteemed guidance of

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Associate professor,
Department of ECE.

Submitted to

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2019-20

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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(An Autonomous Institution)
(Approved by AICTE, New Delhi, Affiliated to J.N.T.U.A, Anantapuram)
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CERTIFICATE

This is to Certify that the Project entitled **"ANTI COLLISION AND AUTO RETARDING SYSTEM ALONG WITH WIPER SPEED CONTROL BY USING MSP 430 MICROCONTROLLER"** *that is being submitted by*

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H.G.MURALI	16701A0442

[redacted]

ABSTRACT

We know that the accidents are caused due to bad weather, sudden entrance vehicles, and invisibility of objects etc. By this project, we are proposing a platform that could improve vehicle passenger's safety from occurring accidents from the sudden objects or vehicles and due to rain fall or fog etc.

Our solution can support the driver by getting warning about imminent obstacles and approaching vehicles that can lead to collision. In addition to this we also incorporate an Auto Retardation System that helps to prevent accidents from such conditions. We also implemented an automatic wiper speed control which controls the Wiper speed of the vehicles based on the rainfall intensity.

For obstacles or vehicles detection, we use an Ultrasonic Sensor and for rainfall intensity testing, we use the rain drop sensor which works with the principle of total internal reflection this is very useful in rain conditions as the car wind shield obstructs the vision of driver and may lead to accidents and the advantage of our system is that it does the work of adjusting the speed of wiper without the need of the driver to respond. In previous projects, mainly microcontrollers are used as the main part but that have not provided the required results. So as in extension we developed our project with the help of MSP430 Microcontroller which works with either analog or digital signals and gives the vital output.

CHAPTER 5

CONCLUSION:

We conclude that by using Raindrop and Ultrasonic module, we have been successful in implementing the Anti-collision and Auto Retardation System along with Wiper Speed Control System in the vehicles. Ultrasonic sensors are used for better performance in our anti-collision system. The raindrop detector is very sensitive in the wiper speed control system, and can detect very small quantities of moisture. In the event that only mild rainfall stimulates the system, the motor runs faster in higher levels of rain, which ensures that the wiper runs faster and saves the driver. Commercially these anti-collision and automatic wiper systems are available in high-end cars as standard and are available at excess cost. For Future Purpose, we can inhibit the Dual Tracking System on the top of the vehicles for the effective results in while need to be available for everyone. So, we are expecting that this solution can help for the reduction of crashes by improving the safety of the driver.

A

Project Report on

"An Efficient Cuckoo Search Algorithm Based Multilevel Thresholding for Satellite Images Using Different Objective Functions"

Submitted in partial fulfillment of the Requirements for the award of the Degree of

BACHELOR TECHNOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

G. Narahari	**16701A0465**
G. Dushyanth	**16701A0435**
D. Ashok	**15701A0410**

Under the esteemed guidance of

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Associate Professor, Dept of ECE

Submitted to

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2019-20

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
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CERTIFICATE

This is to Certify that the Project entitled **"An Efficient Cuckoo Search Algorithm Based Multilevel Thresholding of Satellite Images Using Different Objective Functions"** *that is being submitted by*

NAMES	HT NO
G. Narahari	16701A0465
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D. Ashok	15701A0410

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SUPERVISOR **HEAD OF THE DEPARTMENT**

External Viva-Voce Exam Held on Dated: _____.

EXTERNAL EXAMINER

ABSTRACT

Due to the existence of weakly linked and undefined multiple regions of interest, satellite image segmentation is difficult. A number of bio-inspired algorithms have been developed to produce equilibrium [redacted]

CHAPTER 4

CONCLUSION AND REFERENCES

4.1 CONCLUSION:

A comprehensive and efficient method for removing shadows from satellite images using Cuckoo Search Algorithm and generating IOOPL. Photograph segmentation considering shadows is introduced first in order to get a shadow identification test. Then, suspicious shadows are chosen through spectral functions and object spatial statistics, and fake shadows are removed. In the meantime, they also show the results of different measures with the proposed methodology. For shadow removal, IOOPL matching was achieved after the homogeneous parts.

4.2 REFERENCES:

[1]. T. Kim, T. Javzandulam, and T.-Y. Lee, "Semiautomatic reconstruction of building height and footprints from single satellite images," in Proc.

IGARSS, Jul. 2007, vol. 2, pp. 4737–4740.

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[4] Y. Li, P. Gong, and T. Sasagawa, "Integrated shadow removal based on photogrammetry and image analysis," Int. J. Remote Sens., vol. 26, no. 18, pp. 3911–3929, 2005.

[5] W. Zhou, G. Huang, A. Troy, and M. L. Cadenasso, "Object-based land cover classification of shaded areas in high spatial resolution imagery of urban areas: A comparison study," Remote Sens. Env., vol. 113, no. 8, pp. 1769–1777, 2009.

A

Project Report on

"IMPLEMENTATION OF CMOS SAR ADC WITH BACKGROUND CALIBRATED FINE AND COARSE COMPARATORS "

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

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Under the esteemed guidance of

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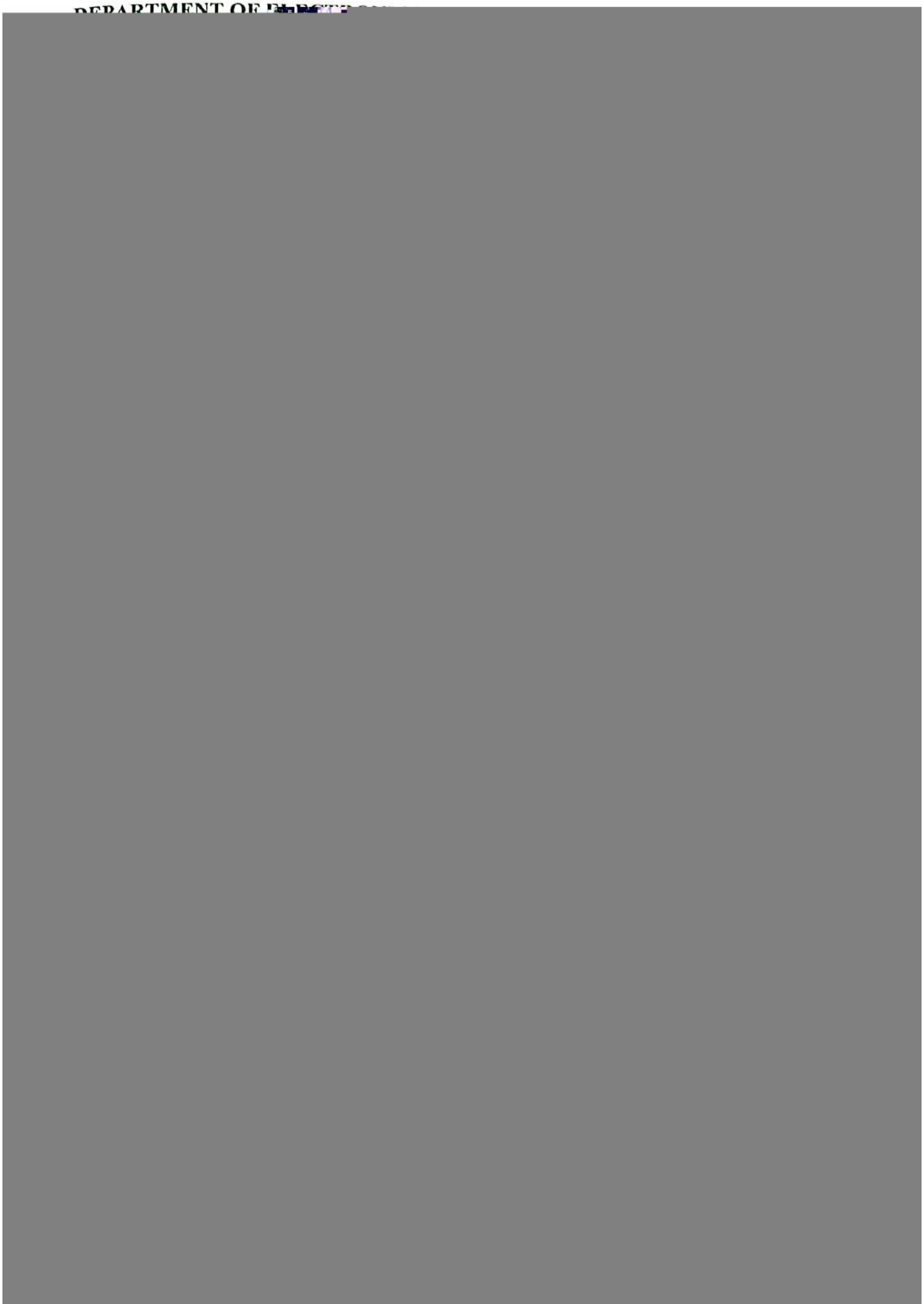
(Accredited by NAAC, Bangalore)
New Boyanapalli, Rajampet, Kadapa (Dist),
A.P-516126.

2019-20



ABSTRACT

This paper presents analog to digital conversion, using the background calibrated fine and coarse comparator, 8-bit successive approximation register. Comparator consists of a specialized differential amplifier for the high gain. These coarse and fine comparators are used to measure and also digitize analog to digital converters.

A successive approximation register ADC combined with time interleaving can obtain a high conversion rate with low power consumption. Low-power coarse and low-noise comparators are used to increase the performance of the comparator. For rising power consumption these comparators are proposed.

In addition to this a background calibrated method is proposed for the purpose to offset in between different bytes of comparators by using a reference comparator. The technique that is background calibrated; it does not require any additional bit for the calibration regarding comparator. So, that there will be an improvement in the analog to digital conversion speed.

CONCLUSION

A novel SAR architecture with coarse and fine comparators is employed in this design to minimize the power consumption. A design methodology isproposed for optimizing the configuration of coarse/fine comparators.Offsets between different comparators are calibratedin fully background mode using the proposed reference comparatorcalibration scheme, which removes the calibration timefrom the SAR timing budget completely. So, we can improve the ADC conversion speed by using this 25nm CMOS technology in Tanner EDA 16.1 version.

A Project Report On

"WAVELET AND COSINE TRNSFORM BASED INFRARED AND VISUAL IMAGE FUSION"

Submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHINOLOGY

In

ELECTRONICS AND COMMUNICATION ENGINEERING

By

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G. CHINNA	**16701A0425**
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Under the Esteemed Guidance of

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Submitted to

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AN AUTONOMOUS INSTITUTION)

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In partial fulfillment of the requirements for the award of **BACHELOR OF TECHNOLOGY** in **ELECTRONICS &COMMUNICATION ENGINEERING.** This record is a bonafide work carried out by them under my Guidance and Supervision. The results embodied in this Project report have not been submitted to any other university or institute for the award of any degree or diploma for the year 2019-2020.

J. Pavan Reddy

SUPERVISOR **HEAD OF THE DEPARTMENT**

External Viva-Voce Exam held on dated: 02/06/2020.

Abstract

In order to promote the performance of infrared and visual image fusion and provide better visual effects, this paper proposes a hybrid fusion method for infrared and visual image by the combination of discrete stationary wavelet transform (DSWT), discrete cosine transform (DCT) and local spatial frequency (LSF). The proposed method has three key processing steps. Firstly, DSWT is employed to decompose the important features of the source image into a series of sub-images with different levels and spatial frequencies. Secondly, DCT is used to separate the significant details of the sub-images according to the energy of different frequencies. Thirdly, LSF is applied to enhance the regional features of DCT coefficients, and it can be helpful and useful for image feature extraction. Some frequently-used image fusion methods and evaluation metrics are employed to evaluate the validity of the proposed method. The experiments indicate that the proposed method can achieve good fusion effect, and it is more efficient than other conventional image fusion methods.

Keywords: Infrared and visual image fusion; Discrete stationary wavelet transform; Discrete cosine transform; Spatial frequency

- As camera fused is performed utilizing a single object tracking process, photos have reduced strength under climatic conditions.
- Seeing at night is not quick, mainly due to the extreme camera settings, whether it is nighttime or daytime.
- Better source of energy is necessary for a reasonable representation of wizards based on spectral frequencies.
- In this type of setting, the worst output is not resolved due to rain or fog simulator if one clicks on both the 2 source pictures.
- Throughout this phase, there are huge possibilities of data loss which require careful monitoring.
- While melding images, the computing is rather slow.

6.3. Conclusion:

This document proposes hybrid IR and VI fusion method based on the DSWT, DCT, and LSF. DSWT is used to rot the source photo into local constituency sub-images at varying scales and frequencies. In the DSWT system, DCT is used to monopolize critical sub-image knowledge as per the energy of the various frequency. LSF would be used to improve the spatial properties of the DCT coefficients. The fused DCT correlations are acquired by fused rule, in conjunction with LSF values in the DCT domain. Finally, it executes IDCT and IDSWT to fuse the file. The experiments on numerous IR and VI pairs demonstrate that the suggested approach will successfully incorporate the observable details in VI and the IR infrarot areas into the final pictures. And several widely used visual measurement indexes were used to calculate the precision of the fused pictures; the findings suggest that the suggested IR and VI fusion system will obtain higher efficiency than the traditional methods. Similar with traditional approaches, the latest approach will fuse more information of the target images and obtain better fusion performance. The findings indicate that the integrated solution significantly outshines the alternatives in multiple samples of IR and VI.

The work reviewed in this thesis revolves around the issue of rotating medical images and size invariants. The study discussed in this job provides methods with rotate invariance traits for analyzing and classifying the pictures. Compared to other existing methods, texture analysis-based extraction of features is implemented and deemed the strongest technique. Picture diffusion is consider once of the significant steps which helps to make a proper diagnosis through fuse different photo methods. The work also works with the various image fused processes. The research explored in this study is ultimately divided into both the following sources

ABSTRACT

LOW COST SORTING NETWORK CIRCUITS USING UNARY PROCESSING

Sorting is an important task in applications ranging from data mining to databases, scientific computing, to scheduling, artificial intelligence, robotics and signal processing. Sorting is a common task in applications from signal and image processing to switching systems. Based on the target applications, hardware sorting units vary greatly in the way that they are configured. The usual approach is to wire up a network of compare-and-swap units in a configuration called a Bitonic network.

This project proposes a novel area and power-efficient approach to sorting networks, based on "unary processing". In unary processing, numbers are encoded uniformly by a sequence of one value followed by a sequence of the other value in a stream of 0's and 1's with the value defined by the fraction of 1's in the stream. However, the latency of the system got increases. To reduce the increased latency, the time-encoding of data is used. The result is a low-cost, energy-efficient with only a slight accuracy loss, compared to conventional implementations. This project is implemented by using tanner tool.

CHAPTER-6

CONCLUSION

This work proposes an area and power efficient implementation of sorting networks based on unary processing. The latency, energy-efficient was decreased, and cost is low compared to binary method.

The VLSI cost increases significantly with increasing resolution of the input data. The high hardware cost and the high power consumption of such networks restrict their application.

ADVANTAGES:

1. It improves latency
2. Decreases area
3. Low power consumption

APPLICATIONS:

1. machine learning,
2. neural networks,
3. signal processing systems,
4. image,
5. video, and
6. coding.

FUTURE SCOPE:

We are processing 8-bits in this project. In the future the number of bits will be increased

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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(Approved by A.I.C.T.E &Affiliated to J.N.T. University, Anantapuramu)

(Accredited by NAAC with A Grade)

NEW BOYANAPALLI,RAJAMPET-516126, KADAPA (Dt), A.P.

CERTIFICATE

This is to certify that the project report entitled **"PLANT LEAF RECOGNITION USING A CONVOLUTION NEURAL NETWORK "** is submitted by

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M.SUNITHA	**16701A0594**
T.VEERA PRATAP REDDY	**16701A05A6**
G.SIVA TEJA	**16701A0586**

in partial fulfillment of the requirements for the award of Degree of **Bachelor of Technology** in **"Computer Science and Engineering."** is a record of bonafide work carried out by them during the academic year 2019-20.

Project Guide
Mr.C.V.LAKSHMI NARAYANA

Head of the Department
D[redacted]

ABSTRACT

There are hundreds of kinds of trees in the natural ecosystem, and it can be very difficult to distinguish between them. Botanists and those who study plants however, are able to identify the type of tree at a glance by using the characteristics of the leaf. Machine learning is used to automatically classify leaf types. Studied extensively in 2012, this is a rapidly growing field based on deep learning. Deep learning is itself a self-learning technique used on large amounts of data, and recent developments in hardware and big data have made this technique more practical. We propose a method to classify leaves using the CNN model, which is often used when applying deep learning to image processing.

8. CONCLUSION AND FUTURE ENHANCEMENT

Several reliable automated procedures are used for leaf pattern recognition. This paper mainly Reviews the advantages of each classifier and compares their compatibility with leaf features Recognition process. A computer vision approach which can completely neglect the background of the image is speeding up the recognition process and it is suitable for highly complex plant leaf samples. A system that neglects distortion tremendously enhances the recognition technology and even makes the recognition of aquatic fauna more feasible since aquatic plants or algae may not have a definitive shape. The current image processing technique should be robust under diverse intensity of lighting. This new algorithm can be developed by tweaking the detection technique which may lead to detection of specific diseases. The advantage can also be applied for herbal plants recognition to prevent adulteration for better quality control, especially for product and safety.

In future research we will attempt to recognize leaves attached to branches, in order to develop a visual system that can replicate the method used by humans to identify plant types.

Department of Computer Science and Engineering

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CERTIFICATE

This is to certify that the project report entitled, **"SUPERVISE AND APPREHENSION OF STUDENTS PRESENCE USING REID"** *is* submit[illegible]

ABSTRACT

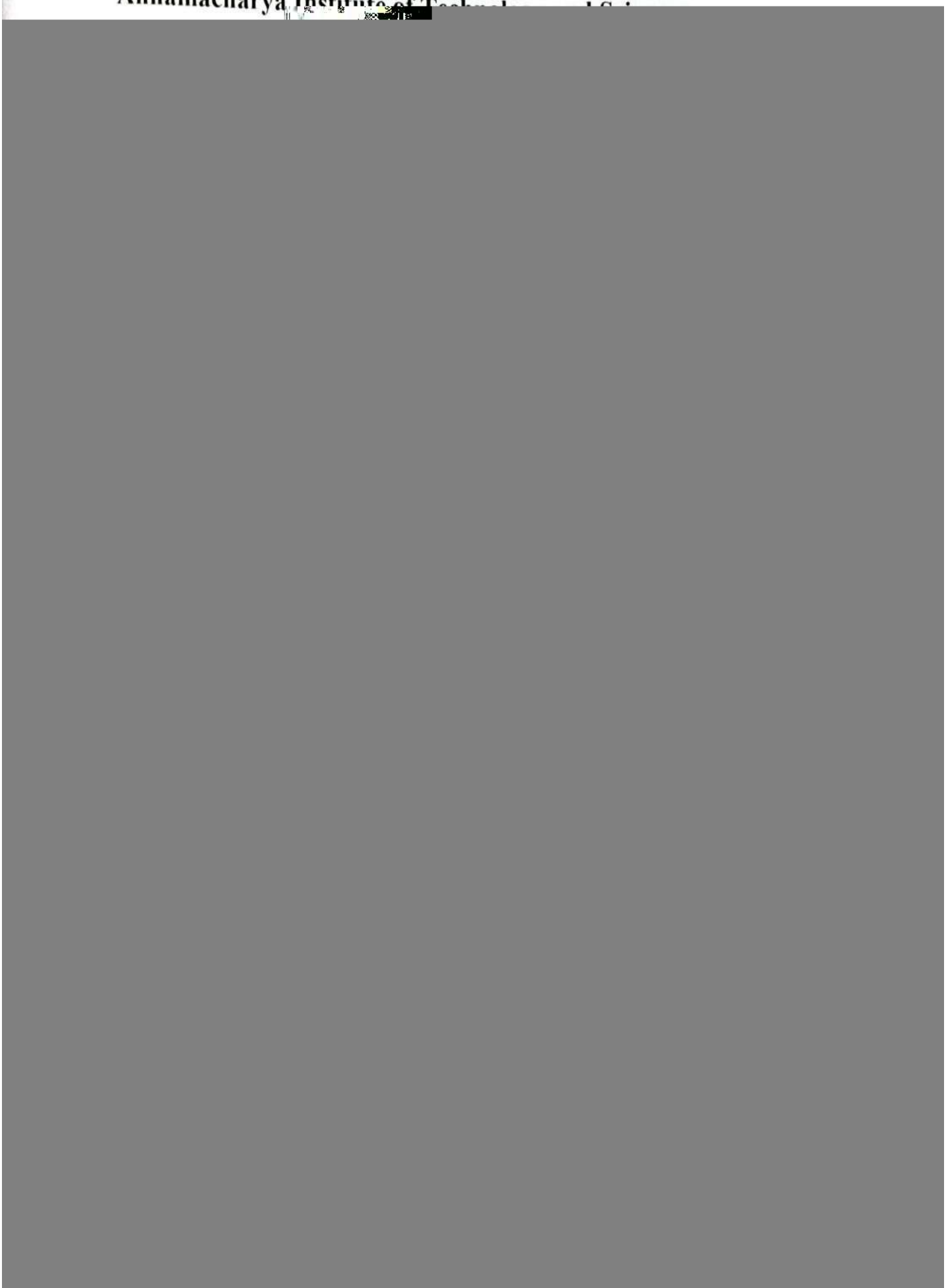
Recently, student's attendance has been considered as one of the crucial elements or issues that reflects the academic achievements and the performance contributed to any university compared to the traditional methods that impose time-consuming and inefficiency. Differing programmed distinguishing proof advances have been more stylish, for example, the wireless technology like Radio Frequency Identification (RFID). A broad look into and a few applications are delivered for exploiting this innovation. RFID is a remote innovation used as a reason for recognizing an item through radio waves to move data from an electronic tag, called RFID tag or mark to transfer

per user. The present investigation centers around proposing a RFID based Attendance Management System (AMS) and furthermore data administration framework for a scholastic area by utilizing RFID innovation notwithstanding the programmable Logic Circuit, (for example, Raspberry Pi), and PHP Server.

8.CONCLUSION

CONCLUSION

An understudy participation and data framework are planned and actualized to deal with understudy's information and give capacities to following understudy participation, evaluating understudy marks, giving data about timetable, address time, room number, and other understudy related data. Likewise, the proposed framework gives effectiveness to the staff where there is no requirement for additional paper works and extra storage spaces for sparing information. Results accomplished the advancement of building up the framework demonstrated solid to help the participation the executives framework for a scholastic division in the use of the RFID innovation and microcontroller board with PHP Server. It may be considered as a fruitful execution.



Abstract

Indoor navigation systems focused on smartphones are so badly needed in indoor environments. However, th

8. CONCLUSION

In this article, we presented ViNav, a low-cost and all-system solution for indoor navigation. ViNav partially draws on many current strategies such as SfM and fingerprinting.

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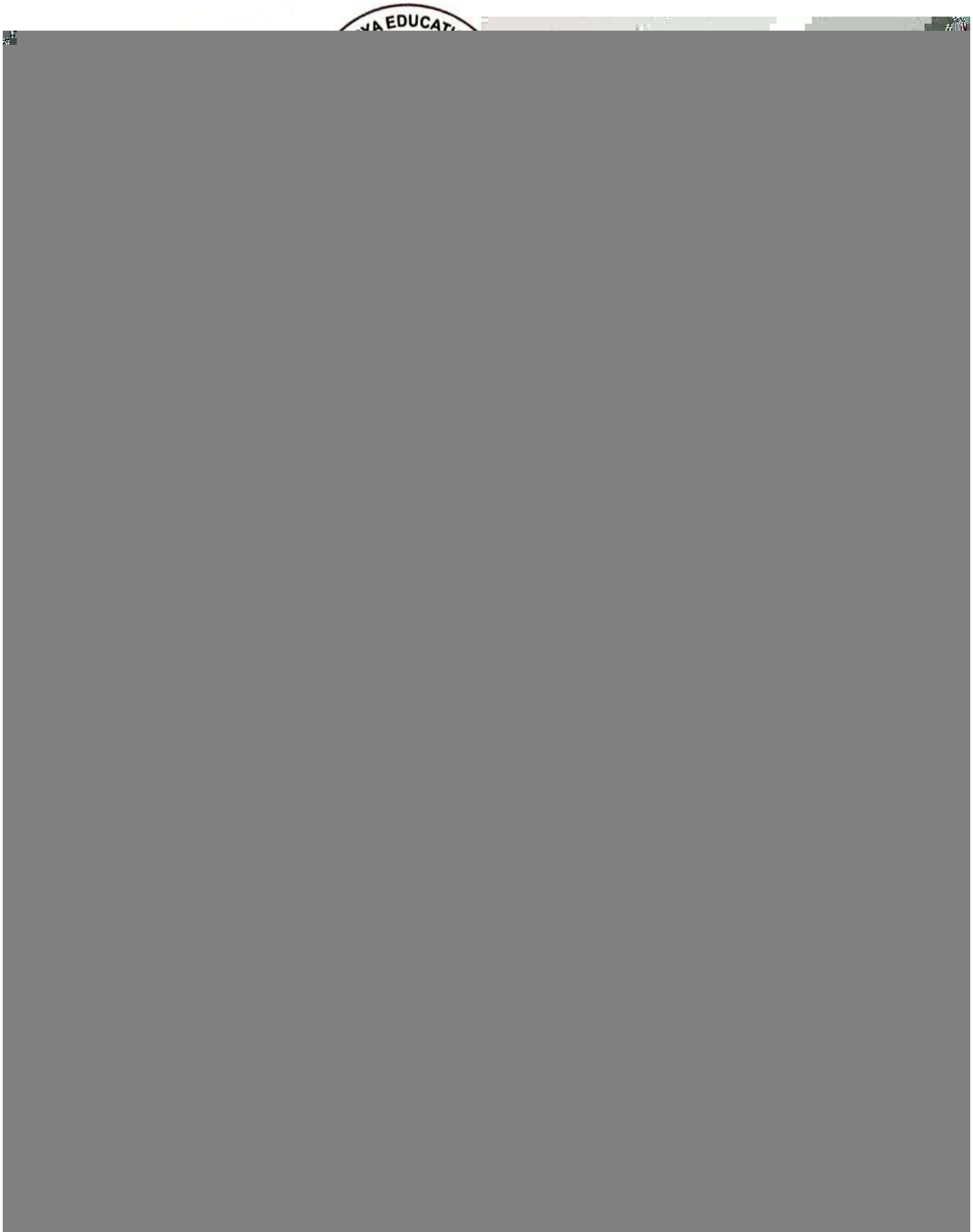
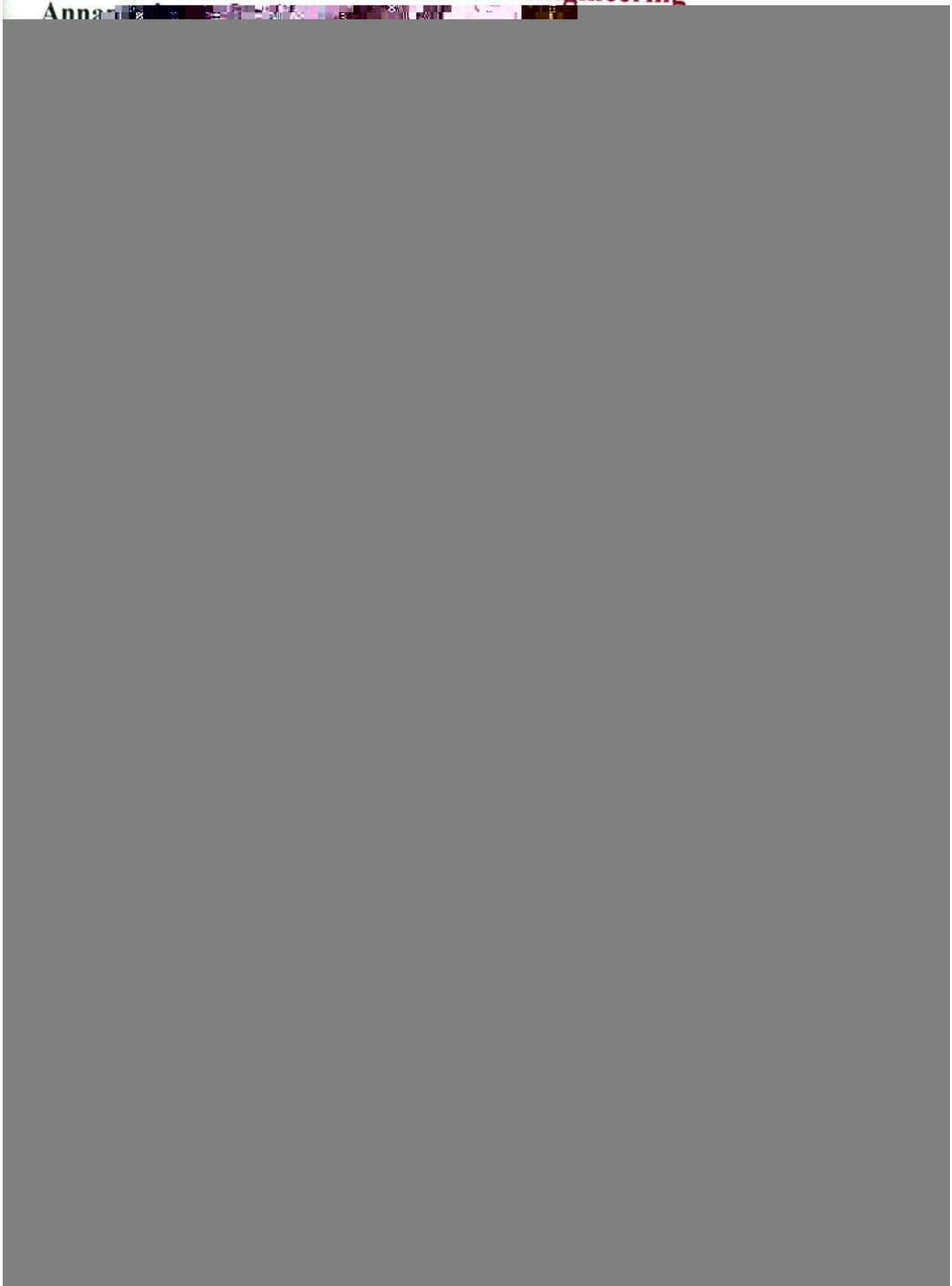


ABSTRACT:

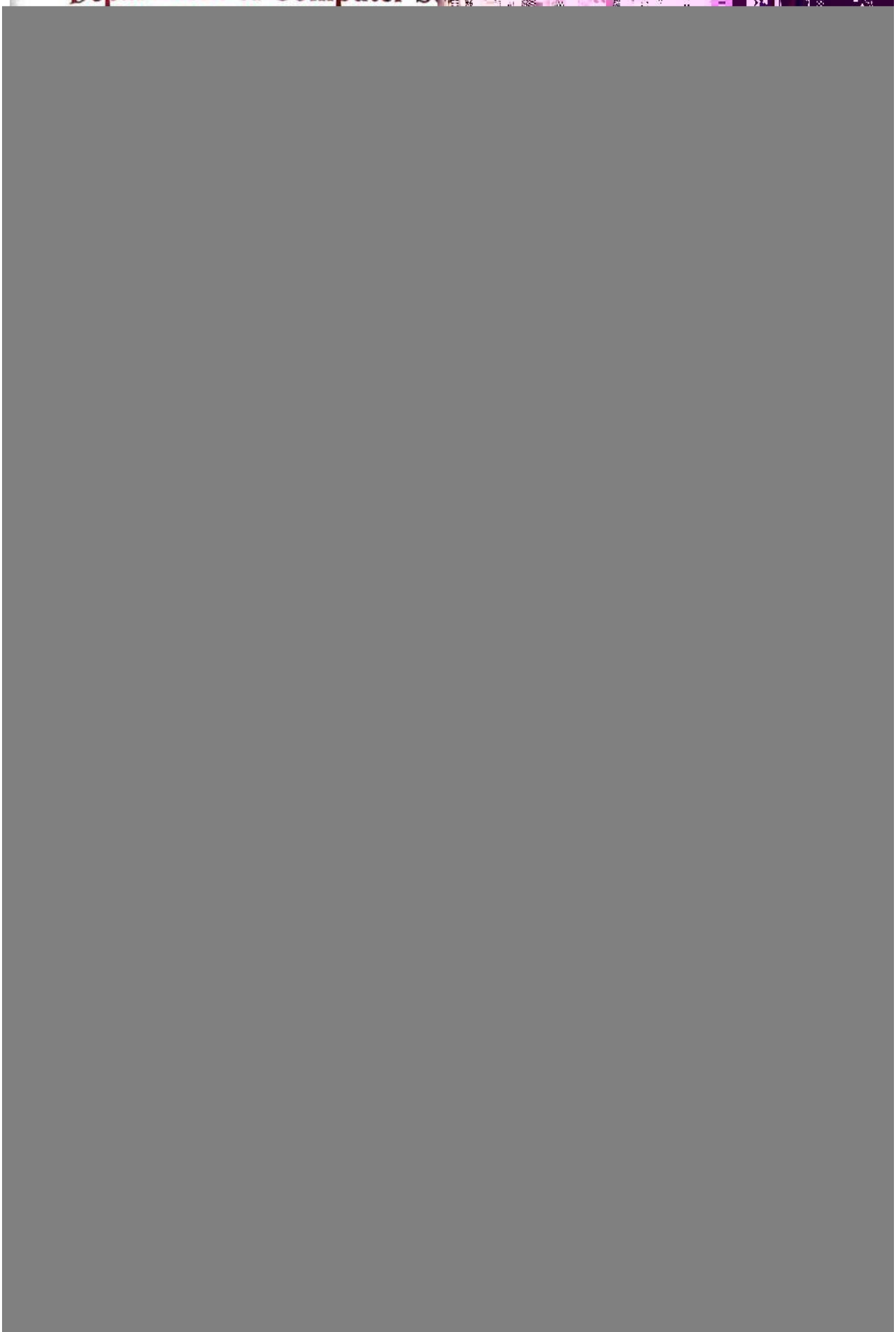
Search result diversification aims to retrieve diverse results to satisfy as many different information needs as possible. Supervised methods have been proposed recently to learn

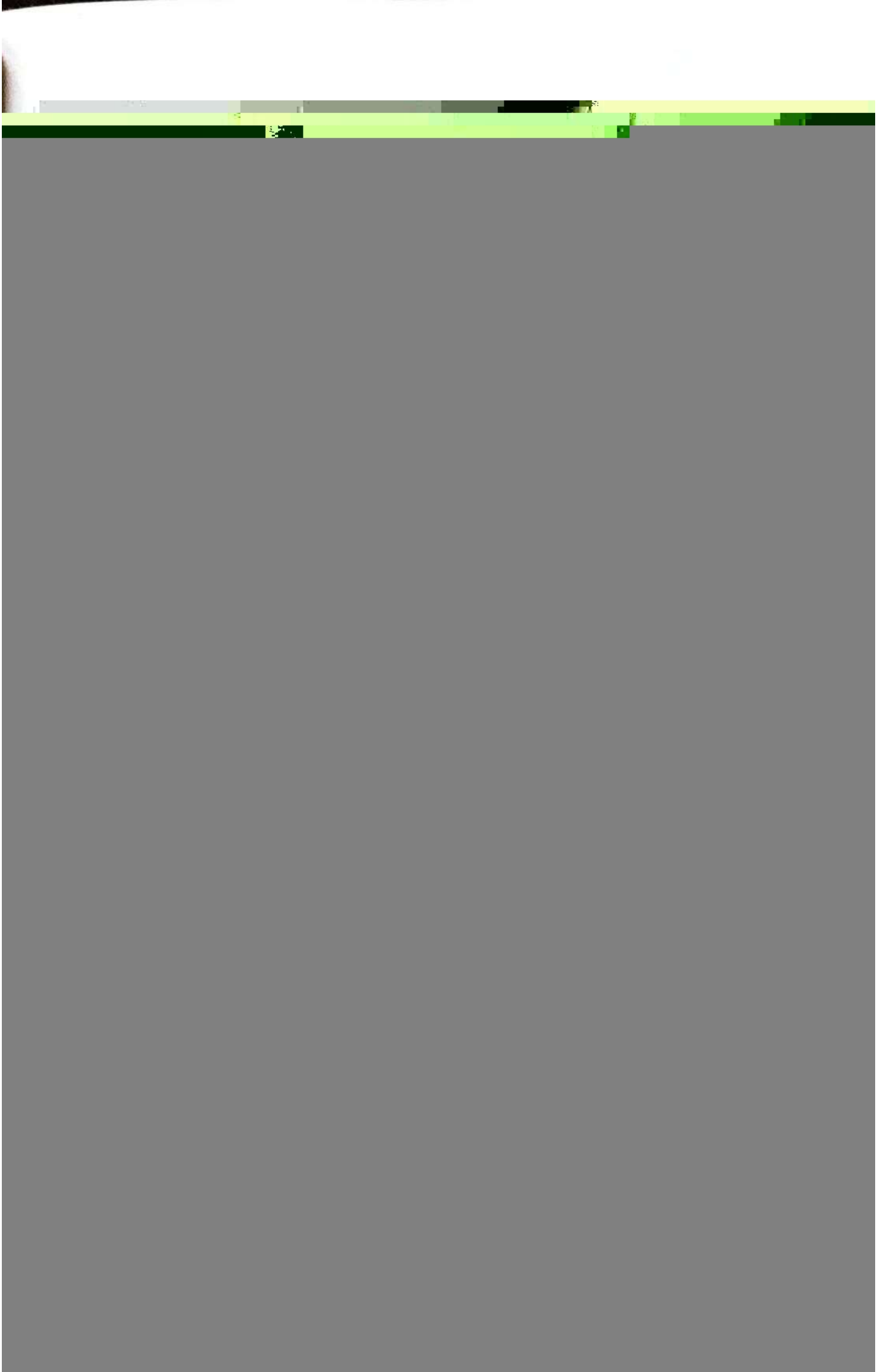
Department of Computer Science and Engineering



ABSTRACT

With the increased popularity of online social networks, spammers find these platforms easily accessible to trap users in malicious activities by posting spam messages. In this work, we have





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Department of Computer Science and Engineering

CERTIFICATE

This is to certify that the project report entitled

"SMALL LUNG NODULES DETECTION BASED ON LOCAL VARIANCE AND PROBABILISTIC NEURAL NETWORK"

is submitted by

By

K.PRIYANKA	(16709A0529)
V.MOUNIKA	(16709A0523)
S.NIRMALA	(16709A0527)
K.NARENDRA	(16709A0524)
S.SOHAIL	(16709A0546)

in partial fulfillment of the requirements for the award of Degree of **Bachelor of Technology** in "**Computer Science and Engineering.**" is a record of bonafide work carried out by them during the academic year 2019-20.

Project Guide:
Mr. J. Maruthi Nagendra Prasad
Assistant professor
Department of CSE
AITS, Rajampet

Head of the Department:
Dr. M. Rudra Kumar
Professor& Head
Department of CSE
AITS, Rajampet

Abstract

Lung cancer prediction is the most difficult problem due to cancer cell composition, where most of the cells overlap. The image processing techniques are often used to predict lung cancer and also to identify and treat early lung cancer to prevent it. Therefore different features are extracted from the images to predict lung cancer, pattern recognition based methods are useful for predicting lung cancer. Recently, image processing techniques are commonly used in many medical fields to enhance image in earlier identification and treatment stages, where the time factor is very critical to detect anomalies in target images.

Particularly in specific cancer tumors such as lung cancer, breast cancer and so on. The key factors of this research are image quality and accuracy, image quality evaluation as well as improvement depending on the stage of enhancement where low pre-processing techniques are used based on filter. Following the principles of segmentation, an improved region of the object of interest is obtained which is used as the basic foundation for extraction of features. A comparison of normality is made, based on general features. Here a systematic analysis is presented using image processing techniques for the prediction of lung cancer by previous researches. The description from previous for predicting lung cancer.

10. CONCLUSION

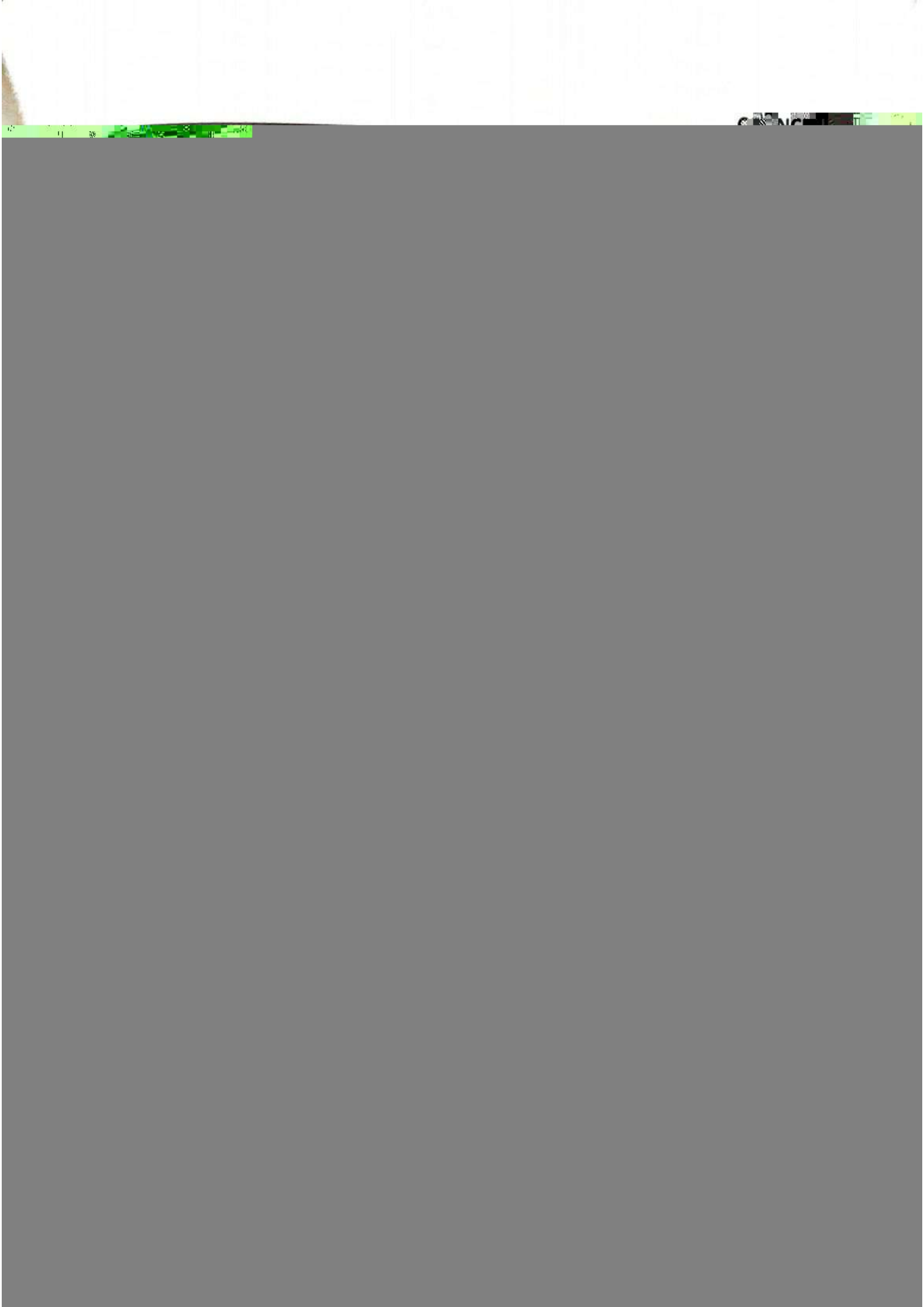
Ultimately, the proposed strategy is simple, but it does produce great results. A list of comparable methodologies for identification of lung knobs is provided in Table 1. Contrary to various approaches, the fundamental priorities of the proposed strategy are: a higher right grouping rate (92 percent) and the way to discern small differentiated knobs and lung

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND

ABSTRACT

This Project comes up with the applications of NLP (Natural Language Processing) techniques for detecting the 'fake news', that is, misleading news stories that comes from the non-reputable sources. Only by building a model based on a count vectorizer (using word tallies) or a (Term Frequency Inverse Document Frequency) tfidf matrix, (word tallies relative to how often they're used in other articles in your dataset) can only get you so far. But these models do not consider the important qualities like word orderir



ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET
(An Autonomous Institution)

Title of the Course COMPREHENSIVE PROJECT WORK
Category PROJECT
Course Code 7P1A045

Year II MBA
Semester IV Semester
Branch MBA

Lecture Hours	Tutorial Hours	Practice Hours	Credits
0	0	0	6

Course Objectives:

- To make the students familiar to apply the knowledge gained from the theoretical subjects in the entire course.

Students are required to take up a project work, in which the student can choose any specific problem of industry or industry-based project work. Alternatively, it can be secondary source based or field-based project work. Before the commencement of the project work, each student is required to submit a synopsis indicating the objectives, methodology and frame work for analysis. The project should have an internal faculty has guide. The student can initiate the project work in the penultimate semester of the course

Course Outcomes:

At the end of the course, the student will be able to	Blooms Level of Learning
apply the various concepts in real time scenarios	L3

CO-PO Mapping:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
7P1A45	3	2	2	2	3	3	2	2

PROGRAM OUTCOMES:

1. Management Knowledge: Apply knowledge of Management Theories and Practices to solve Business Problems.
2. Critical Thinking: Foster Analytical and Critical thinking abilities for Data – based decision making.
3. Value Based Leadership: Ability to develop value-based Leadership.
4. Communication and Ethics: Ability to understand, analyse and communicate global, economic, legal, and ethical aspects of business.
5. Multidisciplinary Environment: Ability to lead themselves and

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

23	18701E0022	MANOHAR REDDY MARTHALA	A STUDY ON CUSTOMER RELATIONSHIP MANAGEMENT WITH REFERENCE V K HONDA KADAPA
24	18701E0023	MOUNIKA MADINENI	A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO ANANTHA P.V.C PIPES PVT. LTD, ANANTAPUR
25	18701E0024	NAGA VENKATA SAI RAM MANIKANTAN V	A STUDY ON CASH FLOW ANALYSIS WITH REFERENCE TO CHAITANY CHEMICALS KADAPA
26	18701E0025	NARESH BATALA	A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ANANTHA PVC PIPES
27	18701E0026	NASMITHA GANDLURI	A STUDY ON FINANCIAL PERFORMANCE ANALYSIS WITH REFERENCE TO LAKSHMI NIVITHA MINERALS LTD
28	18701E0028	PAVAN KUMAR PYDAKULA	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO ANANTHA PVC PIPES PVT LTD. ANANTHAPUR
29	18701E0029	PAVANI T	A STUDY ON LIQUIDITY AND PROFITABILITY ANALYSIS WITH REFERENCE TO CHAITANY CHEMICALS KADAPA
30	18701E0030	PICHAIAH CHINTHAKUNTA	A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO BHARATHI CEMENT PVT LTD.
31	18701E0031	PREM SUKUMAR THORIVEMULA	A STIDY ON CONSUMER PERCEPTION TOWARDS BIG BAZAR VIJAYABADA
32	18701E0032	PURUSHOTHAM KANCHARLA	A STUDY ON CONSUMER BEHAVIOUR WITH REFERENCE TO HINDUSTAN COCA-COLA BEVERAGES PVT LTD. SRIKALAHASTHI
33	18701E0033	RAMBABU ADIANDHRA	A STUDY ON ASSETS MANAGEMENT WITH REFERENCE TO SRIKALAHASTHI PIPES LTD CHITTOR
34	18701E0034	RANI MUTTALUR	A STUDY ON LIQUIDITY MANAGEMENTWITH REFERENCE TO SREE RAYALASEEMA HIGH STRENGTH HYPO LTD.
35	18701E0035	RANI YAPATI	A STUDY ON CONSUMER PERCEPTION WITH REFERENCE TO HINDUSTAN COCA-COLA BEVERAGES PVT LTD SRIKALAHASTHI
36	18701E0036	SAI CHANDANA SINGAMSETTY	EMPLOYEE RERFORMANCE MANAGEMENT WITH REFERENCE TO ZUARI CEMENT PVT LTD YERRAGUNTLA
37	18701E0037	SANDEEP GAYINI	A STUDY ON FUND FLOW STATEMENT WITH REFERENCE TO SUJALA PIPES NANDYAL
38	18701E0038	SASIKALA NAGABUSIGARI	A STUDY ON TRAINING AND DEVELOPMENT WITH REFERENCE OF BHARATHI CEMENT CORPORATION PVT LTD YERRAGUNTLA
39	18701E0039	SIRISHA KARAM	A STUDY ON FINANCIAL LIVERAGES WITH REFERENCE TO CHAITANYA CHEMICALS
40	18701E0040	SIVAJI VEERABALLI	A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO VK HONDA KADAPA
41	*17701E0041*	*RAJA SEKHAR RAJU LAGIDI*	A STUDY ON FUND FLOW STATEMENT WITH REFERENCE TO AMARAJA BATTERIES LTD CHITTOR
42	18701E0041	SIVAKRISHNA POLI	A STUDY ON LIQUIDITY AND PROFITABILITY MANAGEMENT WITH REFERENCE TO AMARA RAJA BATTERIES
43	18701E0042	SIVANAGAVARDHAN REDDY KARRA	A STUDY ON CUSTOMER PERCEPTION WITH REFERENCE TO BHARATHI CEMENT PVT LTD
44	18701E0043	SRAVANI G	A STUDY ON FUND FLOW MANAGEMENT WITH REFERENCE TO ANANTH MONARCH PIPES PVT LTD
45	18701E0044	SRAVANI KUMARI LAKKIREDDY	A STUDY ON BRAND AWARNESS AMONG AIRPORT PASSENGERS

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46	18701E0045	SRINIVAS ARAVEETI	A STUDY ON CUSTOMER RELATIONSHIP MANGEMENT WITH REFERENCE TO HAROON MOTORS, KADAPA
47	18701E0046	SUMALATHA GONGATI	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO DALMIA CEMENT LTD MYLAVARAM
48	18701E0047	SUNEETHA AREM	A STUDY ON CASH FLOW ANALYSIS WITH REFERENCE TO CHAITANYA CHEMICALS KADAPA
49	18701E0048	SURENDRA NAGULAPATI	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO CHITANYA CHEMICALS KADAPA
50	18701E0050	VENKATAREDDY VEERABOVANAPALLI	A STUDY ON WORKING CAPITAL WITH REFERENCE AMARA RAJA COMPANY TIRUPATHI
51	18701E0051	VISWANATHA REDDY ERAGALA	A STUDY ON FINANCEIAL PERFORMANCE USING RATIO ANALYSIS WITH REFERENCE BHARATI CEMENT PVT LTD YERRAGUNTLA

Head of the Departmen
Master of Business Administration
Annamacharya Institute of Technology
New Boyanapalli, Rajampet - 516 126

A STUDY ON CONSUMER BEHAVIOUR WITH REFERENCE COCA COLA HINDHUSTAN PVT.LTD, SRIKALAHASTHI

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted By

Mr. K. PURUSOTHAM

(REG.NO: 18701E0032)

Under the Guidance of

Mr. S.M.D.AZASH

Associate Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS)

New Boyanapalli, Rajampet,

KADAPA-516132

(2018-2020)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

RAJAMPNEW BOYANAPALLIET-516216

CERTIFICATE

This is to certify that the project work entitled is submitted by **Mr. K. PURUSOTHAM, (18701E0032)** is **A STUDY ON CONSUME BHEHAVIOUR WITH REFERENCE TO HINDUSTAN COCA- COLA BEVERAGES Pvt. Ltd.** student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS), RAJAMPET,** for the award of **MASTER OF BUSINESS ADMINISTRATION,** to **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS), RAJAMPET,** is a record of independent project work under taken by him, under my supervision and guidance.

Head of the Department

Dr. P. SUBRAMANYAM, MBA, Ph.D

Associate Professor

Project Guide

Mr. S.M.D.AZASH, MBA

Associate Professor

External Examiner

INTRODUCTION

1. 1 Background of the Study

To study on consumer buying behavior towards coca-cola beverages. The first and for most in research process, step happens so that of selection and properly defining a research problem. We must find the problem and formulated it so that it becomes susceptible to research. Examine and concurring a problem before we can diagnose correctly.

1.2 Statement of the Problem

The project is mainly focus to find out the consumer preference in purchase of soft drinks in Kadapa. Therefore the survey was conducted in those areas to know about the consumer preference towards coca-cola soft drinks. The questionnaire was framed in such away to collect overall information about the factors which influence consumer preference to purchase coca-cola soft drinks.

1.3 Objectives of the study

- To know factors which lead to preferring soft drinks.
- To know which motives on purchase of coca-cola brands.
- To find out the Customer's Perception towards Coca – Cola Beverages.
- To study the factors influencing the sales of Coca – Cola Beverages.
- To study the behaviour of Customer's in general towards Coca – Cola Beverages in Kadapa District.

1.4 Limitations of the Stud

- The study was confined to limited consumers only and deals with coca-cola-brand.
- The duration of the study was restricted for 8 weeks only, which is not sufficient to study the entire consumers in the market.

1.5 ORGANIZATION of the Study

The study aims at ascertaining customer perception on beverages. The study is restricted to the information regarding the customer's likes and dislikes, personal decisions and family decisions and loyalty of the customers. The study has been restricted to Kadapa

CONCLUSION

Buying behavior of consumer is a complex task. Many factors influence on them to buy the products. Before going to purchase the product, they seek information from different sources, after that they go for evaluation which is best product to us, then they will take right decision about the product.

COCA-COLA company brands are well known to customers. So many times, accidental buying influence on the consumers. To influence the consumers buying behavior, the company should maintain good quality, availability and create awareness, brand image towards their products in the mind set of consumer, by this sales may increase.

A

STUDY ON

ASSETS MANAGEMENT

OF

SRIKALAHASTHI PIPES LIMITED,

SRIKALAHASTHI

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

In partial fulfillment of the requirement for the award of degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

ADIANDHRA RAMBABU

(REG NO: 18701E0033)

Under the guidance of

Mrs. V. MOUNESWARI, MBA

Assistant professor

DEPARTMENT OF BUSINESS ADMINISTRTION

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(2018-2020)

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Affiliated to

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DEPARMENT OF

MASTER OF BUSINESS ADMINISTRATION

CERTIFICATE

This is to certify that the project work entitled **"ASSETS MANAGEMENT WITH REFERENCE TO SRIKALAHASTHI PIPES PVT LTD"** is the bonafide work carried out by **ADIANDHRA RAMBABU**, Regd. No: **18701E0033** is submitted in the partial fulfillment of the requirements for the award of degree of MASTER OF BUSINESS ADMINISTRATION during the year 2018-2020.

Project Guide **Head of the Department**

External Examiner

Chapter – 1

INTRODUCTION

1.1 BACKGROUND OF THE STUDY

INTRODUCTION TO FINANCE

Financial is the life blood of the organization, irrespective of its size and mission. Management of financial in the organization has been changing at a rapid pace after the inception of the computers in the field. In the modern phase the financial manager is not in a passive role of a scorekeeper of accounting information and arranging funds, whenever diversified to do so. Rather, he is confronted with the various issues and decisions to ensure that the funds are raised economically and canalized in the most effective mane.

FINANCIAL MANAGEMENT:

Financial management emerged as a distinct field of study at the turn of this century. Many eminent people defined it in the following ways.

DEFINITIONS;

According to GUTHMANN AND DOUGHAL: "Business finance can broadly be defined as the activity concerned with the planning, rising, controlling and administrating of funds used in the business".

According to BONNEVILE AND DEWEY: "Financing consists in the rising, providing and managing of all the money, capital or of any kind to use in the connection with the business".

FUNCTION OF FINANCIAL MANAGERS:

The financial function of raising funds, investing them in assets and distributing returns earned form assets to shareholders are respectively known as financing investment and divided decisions. While performing these functions, a fine attempt to balance cash inflows and outflows. This is called as liquidity decision.

The finance functions can lie divided into four broad categories.

1. Investment or long-term asset mix decision
2. Financing or capital mix decision
3. Dividend or profit allocation decision and,
4. Liquidity or short — term Asset mix decision.

INVESTMENT DECISION:

Investment or capital budgeting involves the decision of allocation of cash or commitment of funds to long-term assets, which would yield benefits in future. It involves

5.3 CONCLUSION

Except of the first year of the study of period, funds were utilized for financing the Current assets. Indicating that the overall financial position of the srikalahasti pipes industries limited is not satisfactory. However, there is scope for improving and in the area of cash management and Current assets. The Srikalahasti Pipes industries it was the following fixed management method. Depreciation method are very good and also the company utilizing its assets up to optimum level over the life time.

A STUDY ON FUNS FLOW STATEMENT

With reference to

SUJALA PIPES,NANDYAL

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

GAYINI SANDEEP

(Roll.No:18701E0037)

Under the Guidance of

Mr.K. SUBBAREDDY

Assistant Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

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This is to certify that the project work entitled **"A STUDY ON FUNS FLOW STATEMENT WITH REFERENCE TO SUJALA PIPES, NANDYAL"** is the bonfide work carried out by **GAYINI SANDEEP**, Regd. No: **18701E0037** is submitted in the partial fulfillment of the requirements for the award of degree of MASTER OF BUSINESS ADMINISTRATION during the year 2018-2020.

Project Guide K. SOBHA REDDY

Principal 18/5/2020

External Examiner

Chapter 1

1.1.Introduction:

At the end of the accounting period normally every business concern prepares two statements i.e. the income statement and balance sheet. These statements do not provide necessary information to the interested parties like investors, debenture holders, creditors, government and workers. The profit and loss account contains a summary of expenses incurred and the revenue realized in the accounting period. It does not highlight the changes in the financial position of a business. The balance sheet gives a static view of the resources of a business and the uses to which these resources have been put at certain period of time. It does not disclose the caused for changes in the assets and liabilities between two different points of time. It does not lend itself to detailed analysis relating to increase or decrease of working capital. Hence, another statement has to be prepared to show the changes in the assets and liabilities form the end of one accounting period to another. This statements is called "Funds Flow Statement".

Funds Flow Statement mainly disclosed information concerning financing and investing activities of a business concern and the consequent changes in its financial position of a period. This statement helps the owners and creditors to judge the financial management with respect to its ability in generating the funds from various sources and effectively utilizing them for various productive used without effecting device to analysis the changes in the financial condition of a business enterprise between tow accounting dates.

It is not mandatory on the part of Business concerns to prepare a Funds Flow Statement. But for their benefit they have to prepare a Funds Flow Statement in addition to Income Statement and balance sheet.

1.2.Definition:

Robert N. Anthony: "The Funds Flow Statement described the sources from which additional funds derived and the uses to which these funds were put".

Fouke: A Statement of sources and application of funds is a technical device designed to analysis the changes in the financial condition of a business enterprises between to dates".

CONCLUSION

Fund flow statement is very important for every organization. It can really determine how the business should be carried on in the future. We can proper utilize the budget of the company and the strategy to cope the financial problems of the company through the preparation of the fund flow statement. As we known the aim of fund flow statement is to know the working capital of the company whether it increases or decreases during a given period of time. So it is a main tool to make a organization to survive in the future.

A STUDY ON

EMPLOYEE PERFORMANCE MANAGEMENT

With reference to

ZUARI CEMENTS PVT. LTD, YERRAGUNTLA

Submitted in partial fulfilment of the requirements for the award of degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

S.SAI CHANDANA

(18701E0036)

Under the Guidance of

V. MOUNESWARI,

Assistant Professor

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CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON EMPLOYEE PERFORMANCE MANAGEMENT WITH REFERENCE TO ZUARI CEMENTS PVT.LTD, YERRAGUNTLA** is the bonafide work carried out by **S.SAI CHANDANA,** Regd. No: **18701E0036,** is submitted in the partial fulfilment of the requirements for the award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the year 2018-2020.

Project Guide **Head of the Department**

External Examiner

INTRODUCTION

Employee Performance Management is about aligning the organisational objectives with the employees' agreed measures, skills, competency requirements, development plans and the delivery of results. Managing employee performance is one of the key drivers for organizational success in the present context of firms trying to adopt a resource centred view of the organization. The emphasis is on improvement, learning and development in order to achieve the overall business strategy and to create a high performance workforce.

1.1 BACKGROUND OR HISTORY OF EMPLOYEE PERFORMANCE MANAGEMENT:

Performance Management began around 60 years ago as a source of income justification and was used to determine an employee's wage based on performance. Organisations used this new method to drive behaviours from the employees to get specific outcomes. In practice this worked well for certain employees who were solely driven by financial rewards. However, where employees were driven by learning and development of their skills, it failed miserably. The gap between justification of pay and the development of skills and knowledge became a huge problem in the use of Performance Management. This became evident in the late 1980s; the realisation that a more comprehensive approach to manage and reward performance was needed. This approach of managing performance was developed in the United Kingdom and the United States much earlier than it was developed in Australia.

In recent decades, however, the process of managing people has become more formalised and specialised. Many of the old performance appraisal methods have been absorbed into the concept of Performance Management, which aims to be a more extensive and comprehensive process of management. Some of the developments that have shaped Performance Management in recent years are the differentiation of employees or talent management, management by objectives and constant monitoring and review.

Its development was accelerated by the following factors:

- The introduction of human resource management as a strategic driver and integrated approach to the management and development of employees; and
- The understanding that the process of Performance Management is something that's completed by line managers throughout the year - it is not a once off annual event coordinated by the personnel department.

5.3 Conclusion

Most of the employees are satisfied by their work process but changes are required. According to changing scenario as recruitment process has great impact on working of company. Employee works are well assigned to the people which make them well satisfied with their work. Evaluation of the employee performance make it more effective to have a clear idea of work and also help in working prominently.

A STUDY ON TRAINING AND DEVELOPMENT

With reference to

BHARATHI CEMENT, YERRAGUNTLA

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

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This is to certify that the project work entitled **"A STUDY ON TRAINING AND DEVELOPMENT WITH REFERENCE TO BHARATHI CEMENT, YERRAGUNTLA"** is the bonfide work carried out by **SASIKALA**, Regd. No: **18701E0038** is submitted in the partial fulfillment of the requirements for the award of degree of **MASTER OF BUSINESS ADMINISTRATION** during the year 2018-2020.

Project Guide

Head of the Department

External Examiner

CHAPTER 1

1.1INTRODUCTION

Training and development play an important role in the effectiveness of organizations and to the experiences of people in work. Training has implications for productivity, health and safety at work and personal development. All organizations employing people need to train and develop their staff. Most organisations are cognisant of this requirement and invest effort and other resources in training and development. Such investment can take the form of employing specialist training and development staff and paying salaries to staff undergoing training and development. Investment in training and development entails obtaining and maintaining space and equipment. It also means that operational personnel, employed in the organisation's main business functions, such as production, maintenance, sales, marketing and management support, must also direct their attention and effort from time to time towards supporting training development and delivery. This means they are required to give less attention to activities that are obviously more productive in terms of the organisation's main business. However, investment in training and development is generally regarded as good management practice to maintain appropriate expertise now and in the future.

Definition:

Training and Development is a subsystem of an organization which emphasize on the improvement of the performance of individuals and groups. Training is an educational process which involves the sharpening of skills, concepts, changing of attitude and gaining more knowledge to enhance the performance of the employees. Good & efficient training of employees helps in their skills & knowledge development, which eventually helps a company improve.

1.2 IMPORTANCE OF TRAINING AND DEVELOPMENT

For companies to keep improving, it is important for organizations to have continuous training and development programs for their employees. Competition and the business

5.2 SUGGESTIONS

- Most experienced and efficient trainers should be appointed to improve the effectiveness of training Programmes.
- Conduct more of the job programme also.
- Training Programmes should be given in accordance with the change in technology.
- More concentration is to be given on marketing related topics to give adequate knowledge to the level of employees.
- The present frequency of training programme may be increased.
- The management has to provide good support to improve the work through proper training programme.
- To get better productivity results the duration of training programme has to be increased

5.3 CONCLUSION

After conducting and intense study of Training and development in Bharathi Cement Corporation Pvt Ltd. I have arrived to the following conclusions.

- Relavent topics are covered in the training programme.
- Management encourages training schedules in the organization.
- Training Programme was organized in a well manner in the organization.
- Training and development programmes helps to eliminate performance deficiency among employees.
- The training is the process of learning to do the job effectively & efficiently.
- Training increases the skill & knowledge of a worker.

A

PROJECT REPORT ON

KEY MANAGEMENT SCHEME FOR SECURE CHANNEL ESTABLISHMENT IN FOG COMPUTING

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Miss. B. PADMAVATHI
(Regd. No: 17701F0026)

Under the Guidance of
Mrs. P. KAVITHA
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

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(Accredited A-grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Anantapuram)

2017-2020

***

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DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"KEY MANAGEMENT SCHEME FOR SECURE CHANNEL ESTABLISHMENT IN FOG COMPUTING"** is a bonafied work carried out by **B.PADMAVATHI** (Regd.No.17701F0026) is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2017-2020.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of
Technology & Sciences
New Boyanapalli, Rajampet

Internal Examiner

External Examiner

Note : In view of covid-19, viva conducted in online mode

AGUDOIT
Solutions

Date:18/04/2020

CERTIFICATE

This is to confirm and certify **Miss.B. PADMAVATHI, M.C.A,** student of **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet.** With **Reg.No.17701F0026** has successfully completed her project work titled **"KEY MANAGEMENT SCHEME FOR SECURE CHANNEL ESTABLISHMENT IN FOG COMPUTING" on JAVA Technologies** as part of her course curriculum.

She has done this project using **JAVA** during the period of December 2019 to April 2020 under the guidance and supervision of **Mr. RAVI KUMAR**, Sr. Software Engineer from **Agudo IT Solutions Pvt.Ltd.**

She has completed the assigned project well within the time frame. She is sincere, hardworking and her conduct during the project is commendable.

For Agudo IT Solutions Pvt.Ltd.

Ravi Kumar

Project Guide.

ABSTRACT

Fog computing is a promising extension of cloud computing, and enables computing directly at the edge of the network. Due to the decentralized and distributed nature of fog nodes. Key management schemes are usually employed to generate, distribute and maintain the secret keys. In this project, a key management scheme is proposed called Dynamic contributory broadcast encryption (DConBE) for secure channel establishment in fog computing. Only selected fog nodes in the system can decrypt the encrypted messages using their respective decryption key. New key management scheme also achieves the properties of fog node dynamics, fully collusion-resistant and stateless. Any end user may encrypt messages under the public encryption key sort cipher texts to any subset of the fog nodes in the system.

Conclusions:

An end user wants to send encrypted messages to its preferred fog nodes in a fog system, the user has to know the structure of the fog nodes. As future work, it would be interesting to design a key management scheme without using the structure of the fog nodes is defined the notion of DConBE and proposed a concrete DConBE scheme for key management in fog computing. In DConBE, any end user can send encrypted messages to any subset of fog nodes in a fog system without requiring a trusted dealer.

A

PROJECT REPORT ON

SECURITY USING PRE-EXISTIG ROUTING FOR AD-HOC NETWOEK

Submitted in partial fulfilment of the Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. B.Naveen Kumar

Regd.No:17701F0023

Under the Guidance of

Mr. V SATHYENDRA KUMAR

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI-516126, RAJAMPET (A.P)
(Accredited as A Grade by NAAC, Bangalore)

(Approved by A.I.C.T.E., New Delhi & Affiliate to J.N.T.U.A, Anantapur)

2017-2020

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY &SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET – 516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY ANANTAPUR

ANANTAPURAMU

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled "**Security Using Pre-existing Routing for Mobile Ad-hoc Network"** is the bonfide work carried out by Mr. **Mr. B.NAVEEN KUMAR**, Regd.No.**17701F0023** is submitted in the partial fulfilment of the requirements for the award of Degree of Master of Computer Applications during the year **2017-2020.**

Project Guide 19/11/2020.

Head of the Department

Internal Examiner

for **External Examiner**

Internal Viva Voce is Conducted through online 7/8/2020.

LOGIC SYSTEMS

Date: 21-04-2020

CERTIFICATE

This is to confirm and certify **Mr. B.Naveen Kumar M.C.A,** student of **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet.** With **Reg.No.17701F0023** has successfully completed his project work titled **"SUPERMAN: Security Using Pre-Existing Routing for Mobile Ad hoc Networks"** on JAVA Technologies as part of his course curriculum.

He has done this project using **JAVA** during the period of 12/12/2019 to 21/04/2020 under the guidance and supervision of **Mr.N.Narayana Reddy** from **Logic Systems**.

He has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during the project is commendable.

For Logic Systems,

LOGIC SYSTEMS PVT. LTD.

(Project Guide)

ABSTRACT

The flexibility and mobility of mobile Ad-hoc networks have made them increasing popular in a wide range of use cases, To protect these networks, security protocols have been developed to protect routing and application data. However, these protocols only protect routes or communication not both. Both secure routing and communication security protocols must be implemented to provide full protection, The use of communication security protocols originally developed for wire line and Wi-Fi networks can also place a heavy burden on the limited network resources of a mobile Ad-hoc networks, To address these issues, a novel secure framework is proposed, The framework is designed to allow existing network and routing protocols to perform their functions, whilst providing node authentication and access control and communication security mechanisms simulation results comparing security using pre-existing routing for mobile Ad-hoc networks with IP sec, Secure Ad-hoc On-demand distance vector (SAODV) and secure optimized link state routing (SOLSR) are provided to demonstrate the proposed frameworks suitability for wireless communication security.

CONCLUSION

Security using pre-existing routing for mobile Ad-hoc networks is a security framework that protects the network and communication in mobile Ad-hoc networks, when you send a data source to destination in different routes the hackers stole our data using network, and then superman networks find that node and provide protection to every node, The primary focus is to secure access to a virtual closed network (VCN) that allows expedient, reliable communication with confidentiality, integrity and authenticity services. Security using pre-existing routing for mobile Ad hoc networks addresses all eight security dimensions outlined in X.805. Security using pre-existing routing for mobile Ad-hoc networks can be said to implement a full suite of security services for autonomous MANETs. It fulfills more of the core services outlined in X.805 than IPsec, due to being network focused instead of end-to-end oriented.

A

PROJECT REPORT ON

ACHIEVING DATA TRUTHFULNESS AND PRIVACY PRESERVATION IN DATA MARKETS

Submitted in partial fulfillment of the

Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Miss. J. MOUNIKA

(Regd.No:17701F0022)

Under the Guidance of

Mrs. P. KAVITHA

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI-516126, RAJAMPET (A.P)

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(Approved by A.I.C.T.E., New Delhi &Affiliated to J.N.T.U.A, Anantapuramu)

2017-2020

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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NEW BOYANAPALLI, RAJAMPET - 516126.

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY

ANANTAPUR,

ANANTAPURAMU

DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"ACHIEVING DATA TRUTHFULNESS AND PRIVACY PRESERVATION IN DATA MARKETS"** is the bonafide work carried out by **Miss. J. MOUNIKA ,** Regd. No: 17701F0022 is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2017-2020.**

Project Guide

Head of the Department

Internal Examiner

External Examiner

Global Techno Solutions®

Solutions unlimited

21/04/2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Jangamsetty Mounika (Reg. No.17701F0022)** final year Master of Computer Applications student of Annamacharya Institute of Technology & Sciences (Autonomous) New Boyanapalli, Rajampet has successfully completed her project work titled **"Achieving Data Truthfulness and Privacy Preservation in Data Markets"** Using JAVA during December 2019 to April 2020 in our organization.

We wish her all success for her future endeavors.

For Global Techno Solutions

Jeya Gopi. D
H.R. Manager

No 60/4 11th Avenue Ashok Nagar Chennai 600 083 INDIA
Tel +91-44-4203 3422 Email career@globaltechnosolutions.net Web www.globaltechnosolutions.net

ABSTRACT

Data mining applications have obtained massive growth in today's internet era. It eventually leads to a serious threat to the security of an individual's personal and sensitive information. Raw data of millions of users are collected by the service provider's through data contributors and they are shared with the data consumers. Existing systems use Privacy Preserving data mining(PPDM) which modifies the data without compromising the security of the sensitive information contained in the data. In this project, proposed a new technique called Truthfulness Preserving Data Mining(TPDM) which is structured as encrypt-then-sign fashion. It uses partial homomorphism encryption and identity-based signature that provides batch-verification and data confidentiality. Performance of the model was evaluated using Yahoo! Music rating dataset and 2009 RECS dataset. Performance measures show that TPDM incurs low computation and communication overheads when compared to existing models. KeywordsNatural hazards, Disaster Response, Drones, Clustering, Flood Monitoring, classification

CONCLUSIONS

In this project, the first efficient secure scheme TPDM for data markets, which simultaneously guarantees data truthfulness and privacy preservation. In TPDM, the data contributors have to truthfully submit their own data, but cannot impersonate others. Besides, the service provider is enforced to truthfully collect and process data. Furthermore, both the personally identifiable information and the sensitive raw data of data contributors are well protected. In addition, I have instantiated TPDM with two different data services, and extensively evaluated their performances on two real-world datasets. Evaluation results have demonstrated the scalability of TPDM in the context of large user base, especially from computation and communication overheads. At last, I have shown the feasibility of introducing the semi-honest registration center with detailed theoretical analysis and substantial evaluations.

As for further work in data markets, it would be interesting to consider diverse data services with more complex mathematic formulas, e.g., Machine Learning as a Service (MLaaS). Under a specific data service, it is well-motivated to uncover some novel security problems, such as privacy preservation and verifiability.

Future Enhancement

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- Based on the future security issues, security can be improved using emerging technologies.
- Adding more GUI to user convenient.
- Data storage and retrieval will become faster and easier to maintain.
- Time updated key module can be added.

A

PROJECT REPORT ON

UTILIZATION AWARE TRIP ADVISOR BIKE SHARING BASED ON USER BEHAVIOR ANALYSIS

Submitted in partial fulfillment of the requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. B. MARUTHI PRASAD

(Regd. No: 17701F0021)

Under the Guidance of

N. NARASIMHA PRASAD

Assistant professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

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2017-2020

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY&SCIENCES

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DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"UTILIZATION AWARE TRIP ADVISOR BIKE SHARING BASED ON USER BEHAVIOR ANALYSIS " is** the bonafide work carried out by **Mr. B. MARUTHI PRASAD ,** Regd.No: 17701F0021 is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2017-2020.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
annamacharya institute of
technology & sciences
New Boyanapalli - 516126.

Internal Examiner

External Examiner

Note:- Due to covid-19 viva conducted in online.

1000 PROJECTS

Date: 21/12/20.

Certificate

This is to certify that **B. Maruthi Prasad, M.C.A** student of Annamacharya Institute of Technology & sciences, Rajampet, Kadapa, Andhra Pradesh with Reg No: 17701F0021 has successfully completed his project work titled "**UTILIZATION AWARE TRIP ADVISOR BIKE SHARING BASED ON USER BEHAVIOR ANALYSIS**" as part of her course curriculum.

He has done this project in **python** during the period of DECEMBER 2019 to APRIL 2020.Under the guidance and supervision of Mr. Hari Krishna sr. Software Engineer 1000 projects PVT LTD, Hyderabad.

He has completed the assigned project successfully within the time frame. He is sincere, hard working and conduct during the project are commendable.

1000 PROJECTS Training & Development * Hyd. *

Yours Sincerely,
For 1000Projects IT Technologies (India) Pvt. Ltd,

Kasarla Shanthan
Managing Director.

1000Projects IT Technologies (India) Private Limited

518, Annapurna Block, Adithya Enclave, Ameerpet, Hyderabad, Telangana – 500016.India Mobile: 09052016340

ABSTRACT

The quick upgrading of motorbike-sharing constructions has announced creatures vast comfort all through the beyond decade. On the opposite hand, high shipping flexibility gives upward push to issues for each users and operators. For customers, dynamic distribution of shared bikes because of uneven consumer demand often leads to the test in or check out carrier unavailable at a few stations. For operators, unbalanced motorbike usage comes with more motorcycle broken and developing maintenance value. We take into account to beautify consumer reports and rebalance bicycle usage by using directing customers to specific stations with a better fulfillment fee of rental and return. For the first time, we devise a trip advisor that recommends motorcycle test-in and check-out stations with joint consideration of carrier nice and bicycle utilization. To ensure provider firstrate, we firstly expect the person call for of each station to acquire the achievement charge of condominium and return inside the future. Experiments suggest that the precision of our method is as a good deal as 0.826, which has raised by means of 25.9% compared with that of the historical common approach. To rebalance motorcycle utilization, from historical facts, we identify that biased bike usage is rooted from circumscribed bicycle circulate among few active stations. Therefore, with described station activeness, we optimize the motorbike move by using main customers to shift bikes between pretty energetic stations and inactive ones.

Conclusions

Supported the analysis of general characteristics, abstraction temporal patterns and bike utilization in bike sharing, we have a tendency to propose a completely unique design of a utilization aware utilization we have a tendency to are trip consultant that engages users to balance bike usage and prolong the upkeep intervals of bikes. Ranging from guaranteeing users' success rate of rental and come, the consultant is meant to dynamically suggest the best stations supported their current activeness of motorbike usage. We have a tendency to evaluate the planned system through in-depth simulations mistreatment historical records from the world's largest bike-sharing system, confirming the effectiveness of our framework.

A

PROJECT REPORT ON

AGENT-BASED APPROACHES FOR INTELIGENT INTRCLOUD RESOURCE ALLOCATION

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

P.DIVYA
(Regd. No: 17701F0008)

Under the Guidance of

Mrs. P. KAVITHA
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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2017-2020

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled "**AGENT-BASED APPROACHES FOR INTELLIGENT INTERCLOUD RESOURCE ALLOCATION**" is a bonafied work carried out by **MISS.P.DIVYA,** (Regd.No.17701F0008) is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2017-2020.**

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sci
New Boyanapalli, Rajampet - 516 126

Project Guide **Head of the Department.**

Internal Examiner **External Examiner**

In view of covid-19 viva a Conducted in online Mode

Date: 25/04/2020

CERTIFICATE

This is to certify that **P DIVYA, MCA,** student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES , NEW BOYANAPALLI, RAJAMPET ,KADAPA** with Reg No: **17701F0008** has successfully completed her project work titled **"AGENT-BASED APPROACHES FOR INTELLIGENT INTERCLOUD RESOURCE ALLOCATION"** as part of her course curriculum.

She has done this project using **.NET** during the period of **December 2019** to **April 2020** under the guidance and supervision of **Mr. BHARATH, Sr. Software Engineer, Middleware Information Technology Services Pvt. Ltd., Hyderabad.**

She has completed the assigned project well within the time frame. She is sincere, hardworking and her conduct during her project is commendable.

We wish her all the best in her future endeavors.

For **Middleware** Information Technology Services Pvt Ltd.,

Project Guide

Abstract

Where as associate lay to rest cloud is associate interconnected international "cloud of clouds" that enables each cloud to regulator into resources of different clouds, lay to rest cloud stakeholders unit advanced as a results of lay to rest cloud resources unit distributed and controlled by utterly totally different clouds. "Agent-based cloud computing" involves the event of agents for bolstering discovery, matching, selection, composition, scheduling, workflow, and observation of lay to rest cloud resources. associate agent may be a ADPS that is capable of constructing selections severally and interacting with various agents through cooperation, coordination, and negotiation. victimization associate agent-based approach, characteristics associated with intelligent behaviors of agents like interacting with socially through cooperation coordination, and negotiation are built into clouds. This survey 1) discusses the importance associated advantages of victimization associate agent 2) reviews representative models of agent-based lay to rest cloud resource allocation and provides a comparison among these models 3) compares agent-based and non-agent-based approaches for executions in multiple clouds 4) provides tips that might future directions.

Conclusion:

In this survey paper, an exposition of agent-based problem solving approaches for intelligent Inter cloud resource allocation is provided. The contributions of this paper are manifold. Section 1 defines agent-based cloud computing and cloud intelligence. It describes the motivation, advantages, and significance of adopting an agent paradigm for intelligent Inter cloud resource allocation. Section 2 provides a comprehensive overview of the state-of-the-art research on adopting an agent-based paradigm for Inter cloud resource allocation by reviewing representative agent-based Inter cloud resource allocation models. Section 3 provides a comparison and critique of the state-of-the-art agent-based Inter cloud resource allocation models. Summarizing and comparing the features of existing agent-based Inter cloud resource allocation models provide designers with pointers to and guidelines on some of the essential design considerations for developing new agent-based techniques for Inter cloud resource allocation.

A

PROJECT REPORT ON

Failure Aware Protection For Many to Many Routing In Content Centric Networks

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. S. VIJAYAKANTH MUDIRAJ
(Regd.No:18705F0022)

Under the Guidance of

Mr. C. SASIDHAR
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS
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(Approved by A.I.C.T.E., New Delhi &Affiliated to J.N.T. University, Anantapuramu)

2018-2020

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
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DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled "**Failure Aware Protection For Many to Many Routing In Content Centric Networks** "is the bonafide work carried out by **S.VIJAYKANTH MUDIRAJ**, Regd.no:**18705F0022** is submitted in the partial fulfillment of the requirements for the award of degree of Master of Computer Applications during the year **2018-2020.**

Project Guide

Head of the Department

Internal Examiner

External Examiner

External viva voice conducted through online mode 2/7/2020

KOUSHIK

Date:

CERTIFICATE

This is to certify that **SINGAMALA VIJAYAKANTH MUDIRAJ, MCA,** student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, NEW BOYANAPALLI, RAJAMPET, KADAPA** with **Reg No: 18705F0022** has successfully completed his project work titled **"FAILURE AWARE PROTECTION FOR MANY TO MANY ROUTING IN CONTENT CENTRIC NETWORKS"** as part of his course curriculum.

He has done this project using **.NET** during the period of **December 2019 to March 2020** under the guidance and supervision of **Mr. RAMBABU, Sr. Software Engineer, Koushik Web Solutions Pvt. Ltd., Hyderabad.**

He has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during his project is commendable.

We wish him all the best in his future endeavors.

for Koushik Web Solutions Pvt. Ltd.,

Rambabu

Project Guide.

ABSTRACT

Network communications can easily be disrupted by the failure of networking equipment, ranging from a single accidental link cut, to a wide swath of links and nodes wiped out simultaneously by a natural disaster. To mitigate the impact of these failures, survivability solutions involving precomputed backup paths can be used to help maintain connectivity and reduce service downtime. Further improvements to reliability can be gained through the use of on-path caching inherent in Content Centric Networking (CCN). CCN is an alternative networking paradigm that puts the focus on efficiently providing consumers access over the network to content held by producers. As content is returned from a producer, it can be cached at the intermediate routers, allowing that content to be replicated and forwarded out to all known consumers asking for that content. The aim to improve the reliability of CCN by proposing routing algorithms for connecting many consumers to a set of producers with paths that are survivable in respect to a flexibly-sized failure set. These survivable routes are enhanced through the use of failure aware on-path caching that allows consumers to access content even after the primary connections to producers are severed.

Conclusion:

The have presented a number of novel routing solutions that can adaptively find low cost path sets that protect against any number of failures while connecting any number of sources to any number of destinations. This is ideal for CCN, where a large number of consumers could simultaneously demand content from an array of producers that offer that content. By adding in caching strategies designed around putting content in locations accessible on backup paths, content accessibility post-failure can be maximized.

A

PROJECT REPORT ON

CHARON A secure Cloud of Cloud System for Storing and Sharing Big Data

Submitted in partial fulfilment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. S.BHARGAVA

Regd.No:18705F0004

Under the Guidance of

Mr. C. SASIDHAR

Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited as A Grade by NAAC, Bangalore)

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2018-2020

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ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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NEW BOYANAPALLI, RAJAMPET – 516126

Affiliated to

JAWAHARLAL NEHRU TECHNOLOGY UNIVERSITY
ANANTAPUR

DEPARTMENT OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"CHARON A secure Cloud of Cloud System for Storing and Sharing Big Data"** The bonafide work carried out by **Mr.S.BHARGAVA**, Regd.No:**18705F0004** is submitted in the partial fulfilment of the requirement for the award of Degree of Master of Computer Applications during the year **2018-2020.**

Project Guide

Head of the Department

Internal Examiner

External Examiner

External viva voce Conducted through Online
Mod 21/7/2020.

Base Solutions

PROJECT COMPLETION CERTIFICATE

This is to confirm and certify **Mr. SRIRAMADASU BHARGAVA M.C.A.,** student of **AITS, Rajampet** With **REG.NO. 18705F0004** has successfully completed his project work titled **"CHARON A SECURE CLOUD OF SYSTEM FOR STORING AND SHARING BIG DATA"** on **Java** Technologies as part of his course curriculum.

He has done this project using **JAVA** during the period **December 2019 to April 2020** under the guidance and supervision of **Mr. B.V. Sai Kishore** From **Ibase Solutions, Hyderabad.**

He has completed the assigned project well within the time frame. He is sincere, hardworking and her conduct during the project is commendable.

For Ibase Solutions

IBASE HYD SOLUTIONS

Project Guide.

Mohammad's Castle, Plot #128, Behind Allahabad Bank, Madhuranagar, Yousufguda Main Road,
Hyderabad - 500 038 e-mail : info@ibasesolv.com website:www.ibasesolv.com

ABSTRACT

Current CHARON, a cloud-backed computing infrastructure designed to safely, accurately and effectively store and exchange big data using various service services and database servers to satisfy the regulatory specifications of personal data which are private. CHARON integrates three distinctive features, it doesn't need trust in any single person, it doesn't need a client-managed server, and it doesn't require handling huge files efficiently across a number of geo-dispersed computing devices. We have also developed a novel Byzantine-resilient data-cantered leasing protocol to avoid write-write conflicts between clients accessing shared repositories. To test CHARON, we can use micro- and application-based simulations to model symbolic workflows from bioinformatics, a common big data field. The results reveal that our creative design is not only realistic, but better than every other cloud-based solution with an end-to - end performance.

CONCLUSION

CHARON is a cloud-backed file system for storing and sharing big data. Its design relies on two important principles: files metadata and data are stored in multiple clouds, without requiring trust on any of them individually, and the system is completely datacentric. This design has led us to develop a novel Byzantineresilient leasing protocol to avoid write-write conflicts without any custom server.

FUTURE ENHANCEMENT

In our research work Our results show that this design is feasible and can be employed in real-world institutions that need to store and share large critical datasets in a controlled way.

A

PROJECT REPORT ON

Quantifying Interdependent Privacy Risks with Location Data

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

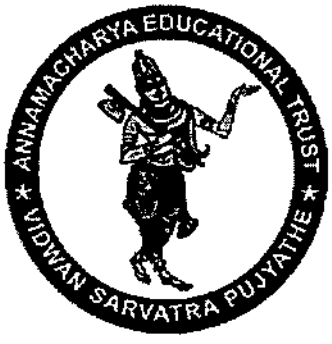
Mr. K. MADHAN MOHAN REDDY

Regd.No:18705F0007

Under the Guidance of

N. NARASIMHA PRASAD

Assistant Professor



DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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NEW BOYANAPALLI-516126, RAJAMPET (A.P).

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2018-2020

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DEPARTMENT OFCOMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled **"Quantifying Interdependent Privacy Risks with Location Data"** is the bonafide work carried out by **Mr. K. MADHAN MOHAN REDDY, Regd. No: 18705F0007** is submitted in the partial fulfillment of the requirements for the award of degree of **Master of Computer Applications** during the year 2018-2020.

Project Guide | **Head of the Department**

Head of the Department
Master of Computer Application
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New Boyanapalli, Rajampet - 516126.

Internal Examiner | **External Examiner**

Note: Due to covid-19, viva voice conducted in online mod.

LOGIC SYSTEMS

Date: 21-04-2020

CERTIFICATE

This is to confirm and certify **Mr. Kanaparti Madhan Mohan Reddy M.C.A,** student of **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet.** With **Reg.No.18705F0007** has successfully completed his project work titled **"Quantifying Interdependent Privacy Risks with Location Data"** on JAVA Technologies as part of his course curriculum.

He has done this project using **JAVA** during the period of December 2019 to April 2020 under the guidance and supervision of **Mr.N.Narayana Reddy** from **Logic Systems**.

He has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during the project is commendable.

For Logic Systems,

LOGIC SYSTEMS H.O. 72

(Project Guide)

ABSTRACT

Co-location information about users is increasingly available online. For instance, mobile users more and more frequently report their co-locations with other users in the messages and in the pictures, they post on social networking websites by tagging the names of the friends they are with. The users IP addresses also constitute a source of co-location information. Combined with location information, such co-locations can be used to improve the inference of the users' locations, thus further threatening their location privacy. As co-location information is taken into account, not only a user's reported locations and mobility patterns can be used to localize her, but also those of her friends. In this paper, study this problem by quantifying the effect of co-location information on location privacy, considering an adversary such as a social network operator that has access to such information. In this Project formalize the problem and derive an optimal inference algorithm that incorporates such co-location information, yet at the cost of high complexity. In this paper some approximate inference algorithms, including a solution that relies on the belief propagation algorithm executed on a general Bayesian network model, and we extensively evaluate their performance. Our experimental results show that, even in the case where the adversary considers co-locations of the targeted user with a single friend, the median location privacy of the user is decreased by up to 62% in a typical setting.

Conclusion

In this project, we have contemplated the impact on clients' area security when co-area data is accessible, notwithstanding individual (muddled) area data. Apparently, this is the main paper to measure the impacts of co-area data that originates from social connections between clients on the spot security; as such it comprises an initial move towards overcoming any issues between concentrates on the spot protection and informal communities. Without a doubt, most examinations on geo-area and interpersonal organizations take a gander at how social ties can be construed from co-areas among people and how social ties can be utilized to de-anonymize versatility follows. We have indicated that, by considering the clients' areas together, a foe can misuse co- area data to all the more likely restrict clients, thus diminishing their individual security. In spite of the fact that the ideal joint confinement assault has a restrictively high computational intricacy, the polynomial-time estimated derivation calculations that we propose give great limitation execution. A significant perception from our work is that a client's area security is no longer completely in her control, as the collocations and the individual area data revealed by different clients essentially influence her own area protection.

The message of this work is that security instruments must not disregard the social parts of area data. Since it isn't alluring to report sham arrangements of assembled clients (as this data is shown on the clients' profiles on interpersonal organizations), an area security safeguarding instrument needs rather to sum up data about co-found clients or to sum up the hour of a get-together, just as the areas of clients at different areas, so as to decrease the adequacy of the assaults we proposed in this paper. As a first endeavor to

A

PROJECT REPORT ON

DATA SECURITY BY USING AES ALGORITHM UNDER HEROKU CLOUD

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Ms. P. VENKATA LAKSHUMMA
(Regd. No: 18705f0021)

Under the Guidance of
Mrs. P. SWATHI
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
(AUTONOMOUS)
NEW BOYANAPALLI-516126, RAJAMPET (A.P)

(Accredited A-grade by NAAC, Bangalore)
(Approved by A.I.C.T.E., New Delhi & Affiliated to J.N.T.U.A, Anantapuramu)

2018-2020
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CERTIFICATE OF COMPLETION

This is to confirm and certify **Ms. P. Venkata Lakshumma M.C.A,** student of **Annamacharya Institute of Technology and Sciences (Autonomous), Rajampet.** With **Reg.No:18705F0021** has successfully completed her project work titled "**Data Security in Cloud Computing Using AES Under HEROKU Cloud**" on **JAVA Technologies** as part of her course curriculum.

She has done this project using JAVA during the period of **December 2019 to April 2020** under the guidance and Supervision of **Ms. Rajiya** from "**Young Minds Technology Solutions Pvt. Ltd**".

She has completed the assigned project within the time frame. She is sincere, hardworking and her conduct during the project is commendable.

We wish her all the best in all her future endeavors.

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ACKNOWLEDGEMENT

An endeavor over a long period can be successful only with the advice of many well wishers. I take this opportunity to express my deep gratitude and appreciation of all those who encouraged me to successfully complete the project.

My sincere thanks are due towards to **Dr. S.M.V Narayana**, Principal, Annamacharya Institute of Technology and Sciences (Autonomous), New Boyanapalli, Rajampet, who made me to become a complete student from this college with his dynamic decisions.

With profound sense of gratitude and regards, I acknowledge with great pleasure the guidance and support extended by

Dr. C. Madana Kumar Reddy, Head of The Department, Department of MCA, Annamacharya Institute of Technology and Sciences (Autonomous), New Boyanapalli, Rajampet.

I express my sincere thanks to my guide **Mrs. P. Swathi,** Assistant Professor, Department of MCA for her valuable guidance and suggestions in analyzing and testing throughout the period of my project work.

Last but not least, I would like to thank my friends, teaching and non teaching, one and all those who helped me to complete this project successfully.

P.VENKATA LAKSHUMMA

(Regd No: 18705f0021)

Conclusion

Data has protection in cloud computing through the use of AES algorithm Under HEROKU Cloud in this project. Data is secured delay for data Encryption using AES cryptography. The implementation to deploy HEROKU as a cloud platform consists of multiple steps of encryption calculation

Showing that the datais large. HEROKU platform is a secure platform for the Use of Cloud-based data several issues. HEROKU is mainly used foe secure the data by using AES algorithm.

A

PROJECT REPORT ON

IMPROVING AUTOMATED BUG TRIAGING WITH SPECI ALI ZED TOPIC MODEL

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. A.KESAVA

(Regd.No:18705F0006)

Under the Guidance of

Mr. N. NARASIMHA PRASAD
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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2018-2020

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DEPARTMENT OF

MASTER OF COMPUTER APPLICATIONS

CERTIFICATE

This is to certify that the project work entitled "**IMPROVING AUTOMATED BUG TRIAGING WITH SPECIALIZED TOPIC MODEL"** is the bonafide work carried out by **Mr. A.KESAVA**, Regd.No:**18705F0006** is submitted in the partial fulfillment of the requirements for the award of Degree of Master of Computer Applications during the year **2018-2020.**

Project Guide

Head of the Department

Head of the Department
Master of Computer Applications
Annamacharya Institute of Technology & Sc
New Boyanapalli, Rajampet - 516 12

Internal Examiner

External Examiner

LOGIC SYSTEMS

Date: 21-04-2020

CERTIFICATE

This is to confirm and certify **Mr. A.Kesava M.C.A,** student of **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet.** With **Reg.No.18705F0006** has successfully completed his project work titled **"Improving Automated Bug Triaging with Specialized Topic Model"** on JAVA Technologies as part of his course curriculum.

He has done this project using **JAVA** during the period of December 2019 to April 2020 under the guidance and supervision of **Mr.N.Narayana Reddy** from **Logic Systems**.

He has completed the assigned project well within the time frame. He is sincere, hardworking and his conduct during the project is commendable.

For Logic Systems,

(Project Guide)

ABSTARCT

Bug traiage refers to the process of assigning a bug to the most appropriate developer to fix. It becomes more and more difficult and complicated as the size of software and the number of developers increase. In this project, propose a new framework for bug triaging, which maps the words in the bug. propose á specialized topic modeling algorithm named multi-feature topic model (MTM) which extends Latent Dirichlet Allocation (LDA) for bug triaging. MTM considers product and component information of bug reports to map the term space to the topic space. Finally, we propose an incremental learning method named Topic Miner which considers the topic distribution of a new bug report to assign an appropriate fixer based on the affinity of the fixer to the topics. We pair Topic Miner with MTM (Topic Miner MTM). We have evaluated our solution on 5 large bug report datasets including GCC, Open Office, Mozilla, Net beans, and Eclipse containing a total of 227,278 bug reports. We show that Topic Miner MTM can achieve top-1 and top-5 prediction accuracies of 0.4831 - 0.6868, and 0.7686 - 0.9084, respectively. We also compare Topic Miner MTM with Bugzie, LDA-KL, SVM-LDA, LDA-Activity, and Yang et al.'s approach.

CONCLUSION

Propose a new topic model based bug triaging approach, named Topic Miner and a new topic model, named multi- feature topic model (MTM), which takes into consideration the features of a bug report when assigning topics to words in the report. We have evaluated our solution on 227,278 bug reports from five software systems and demonstrate that Topic Miner MTM outperforms Bugzie, LDA-KL, SVM-LDA, LDA- Activity, and Yang et al.'s approach by substantial margins. Testing can be performed beginning from littlest and most minimal level modules and continuing each in turn. For every module in base up testing a short program executes the module and gives the required information so the module is approached to play out the manner in which it will when installed within the bigger framework.

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B. No.	H.T No.	Name Of The Student	Title Of The Project
1	15701a0121	Hari Chandana Palla	Experimental Study On Partial Replacement Of Sand With Stone Dust And Replacement Of Cement With Slab Polish Dust.
	16705a0114	Ganesh Udumula	
	15701a0128	Jakeer Sharif Shaik	
	15701a0116	Ganesh Yanappada	
	16705a0115	Gangasashindhar Reddy Chandluru	
2	16705a0102	Akhilkumar Kammara	Experimental Study On Partial Replacement Of Cement With Metakaolin And Fine Aggregate With Robo Sand.
	15701a0144	Manojkumar Kummari	
	16705a0116	Harathi Komma	
	15701a0139	Mahesh Babu Chinnagram	
	15701a0127	Jagadeesh Avvaru	
3	15701a0119	Goutham Kumar Reddy Avula	Utilization Of Waste Plastic In Manufacturing Of Plastic Soil Bricks.
	16705a0101	Ajay Kumar Bogram	
	15701a0118	Gopi Krishna Valasaiahgari	
	15701a0125	Irshad Shaik	
	15701a0109	Bhupal Reddy Bommu	
4	16705a0111	Dinesh Kumar Reddy Eeramreddy	Concrete Paving Blocks Using Crumb Rubber And Pvc Powder.
	16705a0108	Damodar Reddy Bunga	
	15701a0109	Bhupal Reddy Bommu	
	15701a0133	Lakshmi Bhanu Prakash Padeti	
	15701a0113	Dhanush Kumar Yatagiri	
5	15701a0112	Deepika Chinthalapudi	An Experimental Investigation On Geopolymer Bricks By Using Flyash Barites Powder And Kadapa Slab Powder.
	16705a0104	Anusha R	
	15701a0132	Lakshma Naik Bukke	
	16705a0106	Chakrapani Pullagura	
	15701a0135	Likitha Ambati	
6	15701a0126	Ismail Shaik	Assessment Of Quality Of Water In And Around Chennur.
	15701a0102	Anil Kumar Bandi	
	15701a0108	Bhanu Prathyusha Komma	
	15701a0104	Anusha R	
	15701a0134	Leo Beri	
7	16705a0103	Anand Kumar Reddy Siddavatam	Experimental Study On Concrete By Partial Replacement Of Sand With Granite Powder.
	16705a0113	Dwarakanath Reddy Annamareddy	
	15701a0114	Diwakar Reddy Putha	
	15701a0131	Kalyani Nayanipalli	

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	15701a0145	Maruthi Mahesh Ballarapu	
8	15701a0124	Harish Kumar Cheenala	Evaluation Of Mechanical Properties Of Enginnered Cementitious Concrete.
	15701a0141	Mamatha Jalla	
	15701a0105	Ashalatha Vemulapadu	
	15701a0110	Chandhbasha Dharubaigari	
	14701a0136	Lokesh Chella	
9	15701a0140	Mahesh Gundla	Improvements Over The Existing Of Flexible Payment And Its Estimation.
	15701a1020	Gunasekhar Kuruva Chikkanti	
	16705a0107	Chinna Peddi Raju Sandapakula	
	15701a0146	Mohammed Zaid Shaik Bepari	
	15701a0137	Lokeswara Reddy Rampa	
10	16705a0110	Dharmendra Reddy Malepati	An Experimental Study On Mechanical Properties Of Concrete With Replacement Of Basalt And Glass Fiber.
	15701a0101	Akil B	
	15701a0142	Maneesha Shaik	
	15701a0130	Javeed Basha Dudekula	
	15701a0115	Fayaz Shaik	
11	15701a0175	Sai Kumar Palakolanu	Stabilization Of Clay By Using Copper Slag And Barium Chloride
	16705a0119	Harshavardhan Amineni	
	15701a0150	Nagendra Pesala	
	15701a0149	Nagabhushana Yampalaku	
	15701a0183	Sivakumar Addagala	
12	15701a0163	Raga Pranitha Chinni	A Comparative Study On The Estimation And Quantity Surveying Of A High Rised Building With Shear Wall Using Autodesk Quantity Take Off Software To Approximate Method.
	15701a0152	Narasimha Reddy Ramireddy	
	15701a0158	Om Pavithra Peddireddy	
	15701a0157	Obula Reddy Tappeta	
	15701a0148	Mukhesh Gutta	
13	15701a0176	Sairam Gali	An Experimental Study On Mechanical Properties Of Fiber Reinforced Concrete With Glass And Nylon Fibers.
	16705a0123	Kambagiri Swamy Yedula	
	15701a0165	Ram Prasad Gali	
	15701a0170	Ravi Teja Reddy Kaaram	
	15701a0151	Narasimha Dushyanth Gampa	
14	16705a0125	Mahesh Gorthi	Mechanical Properties Of M30 Grade Concrete By Partial Replacement Of Silica Fume And M Sands
	16705a0121	Imthiyaz Ali Sulthan Shaik	
	16705a0129	Naveen Kumar Sunkara	
	16705a0126	Manohar Gaja	
	15701a0160	Pavan Kumar Goddumarri	
15	15701a0178	Samba Siva Mayaluru	
	16705a0122	Kalpana Chalapati	

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	15701a0173	Rupa Sree Yere	Effect Strength Properties Of Concrete By Partial Replacement Of Cemet With Calcium Bentonite Clay.
	15701a0172	Reddaiah Devalaraju	
	15701a0182	Siva Sankar Reddy Vennapusa	
16	15701a0177	Saketh Nihar Jinde	An Experimental Studies On Partial Replacement Of Cement In Conventional Concrete By Palm Oil Fuel Ash.
	15701a0159	Om Vikas Reddy Alavalapati	
	15701a0184	Sivaprasad Kotapati	
	15701a0174	Rupesh Rodda	
	15701a0166	Rama Linga Reddy Chamala	
17	15701a0147	Mounika Gorakati	Quantitative Measurements Of Curing For Concrete
	16705a0124	Madhavi Latha Lakkam	
	15701a0168	Ramesh Babu Thappetla	
	15701a0156	Naveenkumar Uppara	
	14701a0110	Dilip Guntha	
18	15701a0179	Sindhu Soma	Improvents Of Bitumen Performance By Using Crumb Rubber.
	16705a0127	Mohankrishna Banda	
	16705a0130	Pavan Kumar Reddy Palleti	
	15701a0171	Raviteja Madupuri	
	14701a0170	Prasanna Sai Kumar Seela	
19	16705a0117	Harikishore Yatagiri	Strength And Durability Of Concrete Using Steel Slag As A Partial Replacement Of Coarse Aggregate And Replacement Of Fine Aggregate With Robo Sand
	16705a0128	Nagamani Muddala	
	15701a0167	Ramesh Babu Betharasi	
	15701a0181	Siva Kumar Chopparapu	
20	15701a0155	Naveena Koduru	Design And Detailing Of G+4 Storey Building
	15701a0164	Raju Kurnuthula	
	16705a0120	Hemanthi Thammisetty	
	15701a0153	Narendra Ediga	
21	16705a0118	Harivardhan Reddy Gowkanapalle	An Experimental Investigation On Geopolymer Paving Blocks Using Red Mud And Fly Ash.
	15701a0161	Pavani Chilakala	
	15701a0169	Ravi Teja Bandaru	
	15701a0154	Naveen Kumar Bojjireddy	
22	15701a0187	Sparsha Ambekar	Experimental Studies On Meagre Soils Stabilized With Poly Propylene And Glass Fiber
	15701a01b3	Venkatasivaprasad Orrusu	
	15701a0198	Thulasi Kumari Poli	
	16705a0137	Sai Ram Reddy Bandi	
	15701a0194	Sunny Konduru	
23	16705a0146	Varun Kumar Reddy Sareddy	Experimental Studies On Properties Of Fiber Reinforced Concrete
	15701a0190	Sreelakshmi Revilla	
	16705a0141	Sivasatish Gandi	
	15701a01b7	Vijaya Kanth Reddy Ammireddy	
	15701a01b0	Venkata Subbareddy Kokatam	

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B. No.	H.T No.	Name Of The Student	Title Of The Project
24	16705a0144	Surekha Mooli	Experimental Investigation Of Hybrid Geopolymer Bricks By Using Flyash Barites And Kadapa Slab Powder
	15701a0191	Sreenivasulu Ponna	
	16705a0131	Prasanna Kumar Gangarapu	
	14701a0159	Naveenkumar Bandi	
	15701a0189	Sreekanth Devapatla	
25	16705a0132	Rajesh Mala	Soil Stabilization Using Poly Propylene Fiber
	16705a0134	Ramesh Mangali	
	15701a0195	Swaroop Kumar Reddy Chagamreddy	
	15701a0192	Sreenuvasulu Reddy Narapureddy	
	15701a0185	Sivasekhar Bobburi	
26	15701a0196	Swetha Kamireddy	An Experimental Study On Concrete By Partial Replacement Of Sand With Granite Powder
	15701a01a0	Venkata Dwarakanath Reddy Gongati	
	16705a0147	Venkata Pavan Kumar Reddy Koppala	
	16705a0138	Sampath Kumar Gudime	
	15701a0197	Tejadeep Vontimitta	
27	16705a0135	Rangaiah Patima	Design And Detailed Estimate Of High Level Bridge At Km 23/10 Of Chitvel – Koduru Road
	16705a0142	Subramanyam Narasingu	
	16705a0136	Riyaz Basha Cherukuri	
	16705a0143	Sudarshan Siddavatam	
	15701a01b1	Venkata Swaroop Poola	
28	15701a01a2	Venkata Krishna Reddy Palakondu	Rejuvenation Of Spring Channels In Cheyyeru River : Construction Of Sub Surface Dams: A Case Study On Adapur Spring Channel.
	15701a01a8	Venkata Prema Sai Yadav Avula	
	15701a0188	Sravani Pangi	
	15701a01a5	Venkata Narasimha Gundlurunagannagari	
	15701a0186	Sowbhagyavathi Daggupati	
29	15701a01a7	Venkata Pranathi Sanivarapu	An Experimental Investigation On Mechanical Properties Of Concrete Using Magnetised Water
	15701a01b9	Vishnuvardhan Reddy Thathireddy	
	15701a01a6	Venkata Naveenkumar Reddy Malle	
	16705a0140	Sivasankar Cheruvu	
30	16705a0148	Vishnu Vardhan Adapala	Analysis And Design Of G+15 Multi Storied Residential Building With Shear Wall By Using E-Tab Software Package
	16705a0133	Rajesh N	
	16705a0145	Vamsi Kumar Vangimalla	
	15701a01b4	Venkateswarlu Kathi	
31	15701a01a3	Venkata Kusuma Sree Atla	

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B. No.	H.T No.	Name Of The Student	Title Of The Project
	16705a0139	Satheesh Kumar Kotapaati	Behavior And Mechanical Properties Of High Strength Concrete By Using Ultra Fine Slag
	15701a01a4	Venkata Nagendra Prasad Madineni	
	15701a01a9	Venkata Sai Bodanapu	
32	15701a01b2	Venkatasiva Reddy Neelam	Role Of Sulphates On Chloride Binding In Natural Zeolite And Fly Ash
	15701a01b5	Venugopal Tanguturi	
	15701a01b6	Veronica Aluri	
	15701a0199	Vamsi Sai Anumala	

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PROJECT WORK BATCHES : - 2018-19

IV EEE

SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of the Project
1	15701A0284	M.SOWJANYA	Mr.C.Ganesh	V/F Control of SVPWm based dual NPC 3-level Inverter fed open-end winding induction motor drive
	15701A0267	K.RAVISHANKAR		
	15701A0286	M.SREEKALA		
	15701A0287	N.SREEKANTH		
2	15701A0202	B.GUNNA SEKHAR REDDY	P.BHASKARA PRASAD	Intelligent FIre emergency Response System using Iot
	15701A0217	S.ANUSHA		
	15701A0209	N.CHANDANA DEVI		
	16705A0205	P.BALA VENKATA REDDY		
3	15701A0263	K RAMA JAYANTH REDDY	P AYUB KHAN	DESIGN OF SOLAR WATER PUMPING SYSTEM USING FCMA SOFT STARTER
	15701A0289	P.SREENIVASULA REDDY		
	15701A0298	N TEJA REDDY		
	15701A0254	M PAVAN KALYAN REDY		
	15701A0294	V NARESH		
4	15701A0273	U.SAMARA SIMHA REDDDY	M.G.MAHESH	NOVEL ANALYSIS ON LOCATION OF ENERGY STORAGE SYSTEMS IN POWER SYSTEM WITH WIND INTEGRATION
	15701A0274	P.SHAREEF		
	15705A0277	P.SHARATH KUMAR YADAV		
	15701A0279	S.SIVA RAMA KRISHNA		
5	15701A0271	B.SAIRAM	DR.M.PADMA LALITHA	POWER THEFT DETECTION BY USING IOT
	15701A0269	G.RUTHVIK HARSHA		
	16705A0224	V.MANJUNATH REDDY		
	16705A0222	E.MADUMOHAN REDDY		
6	15701A0272	O.SAI DEEPIKA	B.MURALI MOHAN	POWER CONDITIONAL IN FOUR WIRE DISTRIBUTION SYSTEM WITH SOLAR PV ARRAY FED CASCADED MULTI LEVEL INVERTER
	15701A0270	R.SAI ARAVIND		
	15701A0253	P.NITHEESHA		
	16705A0221	K.MADHAVA		
7	16705A0236	L.PRUDHVINATH REDDY	Mr.O.Hemakesavulu	SOLAR HYBRID ELECTRIC VEHICLE
	15701A0266	K.RAVINDRA REDDY		
	16705A0237	M.SIVA RAMESH REDDY		
	16705A0220	K.LAKSHMI NARENDRA		
8	15701A0265	N.RAVALI	Dr.M.PALA PRASAD REDDY	SMART DRIVING LICENSE AUTHENTICATION USING IOT/LABVIEW
	15701A0292	K.SUMASRI		
	15701A0281	T.SHIVA		
	16705A0232	V.K.NAVEEN KUMAR REDDY		
9	15701A0252	C.NAVYA SREE	S.S.DEEKSHITH	IOT BASED SMART CIRCULAR SYSTEM
	15701A0258	A.PURNA SAHITHI		
	15701A0278	A.SIVA KUMAR YADAV		
	16705A0223	B.MANI KUMAR		

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SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of the Project
10	15701A0214	M.DIVYA CHOWDARY	P.BHASKAR PRASAD	OPTIMAL DG PLACEMENT FOR LOSS REDUCTION USING FUZZY AND FIREFLY ALGORITHM
	15701A0208	P.CHAMANTHI		
	15701A0203	M.ARAVIND KUMAR		
	16705A0228	M.JAYACHANDRA NAIDU		
11	15701A0236	P.LEELA VANI	Mr.O.Hemakesavulu	Smart solution for women saffetty using Iot
	15701A0227	C.JASMITHA		
	15705A0215	A.GANESH		
	15701A0243	MS. MOHAMMAD ALTHAF		
12	15701A0237	C.MADHURIKA	Mr.D.Sai Krishna Kanth	Opposition based teaching learning optimization algorithm for combined economic dispatch problem
	15701A0230	G.JAYASREE		
	15701A0224	B.HYMAVATHI		
13	15701A0206	N.BAHNUSRI	S SARADA	SOLAR OV AND BATTERY STORAGE INTEGRATION USING THREE LEVEL NPC INVERTER WITH ADVANCED CONTROL STRATEGY
	15701A0232	B.KALPANA		
	15701A0211	A.CHINNA GANESH		
	15701A0220	T.HARIKUMAR		
14	15701A0201	K.AMARESHWAR	Dr.M PALA PRASAD REDDY	GSM BASED SUBMERISIBLE MOTOR CONTROL GOR AGRICULTURAL IRRIGATION
	16705A0212	G.GOWRI SHANKAR		
	16705A0209	A.CHINNA SUBBAIAH		
	16705A0208	C.BHUVANESWAR REDDY		
15	15701A0241	K MANOJ KUMAR	Mr.C.Ganesh	Interconnectuon of windfarm to weak grid using UPQC
	15701A0205	S.BALAJI		
	15701A0246	C.NAGENDRA PRASAD		
	15701A0242	S.MANSOOR BASHA		
	15701A0219	M.HARI BABU		
16	16705A0201	B.ANAND REDDY	M RAMESH	TRANSFORMER HEALTH MONITORING SYSTEM USING AURDIUNO
	15701A0238	G MADHUSUDHANA		
17	15701A0223	C.HEMANTH	S.SAGAR REDDY	STREET LIGHTINING USING LDR
	15701A0229	D.JAYANTHI		
	15701A0255	S.MAMATHA		
	15701A0221	B.HARISH		
18	15701A0222	Y.HARITHA	N.SREERAMULA REDDY	IMPLELMENTATION OF AGRICULTURAL ROBOT USING IOT
	15705A0234	M.LAKSHMI KALA		
	16705A0218	P.KARTHEEK		

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SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of the Project
19	15701A0299	D.VANI	MR.K.HARINATH REDDY	Back propagation algorithm based fuzzy logic controller for wind diesel generator microgrid
	15701A02B1	P.VYSHNAVI		
	16705A0248	N.VIJAY KUMAR REDDY		
	16705A0281	G.SAILA SINDHU		
	16705A0243	M.USENI		
20	15701A02BO	B.VENKATA SAIMOHAN REDDY	Mr.S.MUQTHIAR ALI	Smart Community Elecgtric Energy Micro storage with active functions
	15701A02A2	M UDAY KUMAR		
	16705A0239	B.SREEKANTH		
	16705A0246	C.T.VIJAYKANTH		
21	15701A02B6	N.VISHNUKANTH REDDY	Dr.P.Gopi	Assesment of post outage congestion risk ofwind power with DLR Technique
	15701A02A4	T.UMA CHANDRA KANTHA		
	15701A02A6	C.VAMSI MANOJ YADAV		
	15701A02A9	N.VENKATA REAMANA		
22	15701A02A1	S THOUSIF AHAMAD	P SURESH BABU	OPTIMAL DG PLACEMENT FOR LOSS REDUCTION USING FUZZY AND FLOWER POLLINATION ALGORITHM
	15701A02A0	C VINAY KUMAR		
	15701A02B4	P CHOWDAIAH		
	16705A0244	B SREEKANTH		
23	16700A0204	C.RAMBABU	A BHASKAR	SOLAR POWERED GRASS CUTTER
	16700A0207	N.SATISH		
	16700A0209	G.S.SREEKANTH		
	16700A0205	C.UMESH REDDY		
	16700A0202	T.MALLIKARJUNA		
24	15709A0212	N.MAMATHA REDDY	M RAMESH	ELECTRICAL LINEMAN SAFETTY USING FINGER PRINT SENSOR
	16700A0210	P.SURENDRA		
	16700A0208	G.SIVA MALLIKARJUNA		
	15709A0217	T.RAJESH REDDY		
25	15709A0225	K.SUNITHA	M SAI SANDEED	IOT SOLUTIONS FOR CROP PROTECTION AGAINST WILD ANIMAL ATTACKS
	15709A0207	M JYOTHSNA		
	15709A0226	D UMESH CHANDRA		
	15709A0211	V MALLIKARJUNA REDDY		
26	15709A0207	T S LOKESH	P.RAVINDRA PRASAD	POWER QUALITY CONTROL OF SINGLE PHASSE TRANSFORMER-LESS GRID INTERACTIVE INVERTER
	15709A0228	K.VISWANATH REDDY		
	15709A0208	G RAKESH SAI		
	15709A0218	C VENKATA SUBBA REDDY		
27	15709A0204	B.CHARITHA	P BHASKARA PRASAD	DESIGN AND CONTROL OF MICROGRID FED BY RENEWABLE ENERGY GENERATING SOURCES
	16700A0203	B.PRANAV		
	15709A0223	RAJESH REDDY T		
	16700A0201	A.ANIL KUMAR REDDY		

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SL.No	Batch Roll Nos	Name of the Student	Guide Name	Title of the Project
28	15709A0222	C.SUBBARAYUDU	D.SAI KRISHNA KANTH	Programmable load sheeding time management for utility department
	15709A0219	B.RAVITHEJA RAJU		
	15709A0216	B.RAGHUNADHA REDDY		
	15709A0209	K.MAHESH		
	16700A0206	E.SANUTH KUMAR		
29	16705A0215	J JAGADEESH	Mr.S.MUQTHIAR ALI	IOT BASED TOLL BOOTH MANAGEMENT SYSTEM
	15701A0231	V JYOTHI		
	15701A0248	P NATA SEKHAR REDDY		
	16705A0211	M DHARMA SAI		
30	16705A0213	A GURUSCHARITHA	B MADHU SUDHANA REDDY	GENERALIZED DTC APPROACH FOR 63-L MULTILEVEL INVERTER FED TO IM WITH REDUCED TORQUE RIPPLES AND MINIMUM THD
	16705A0207	S BHAVANI		
	16705A0203	P ASIS ANURAG		
	15701A0219	M HARI BABU		
31	15701A0218	GIURU SHANKAR A	Mr.S.MUQTHIAR ALI	THYRISTOR POWER CONTROLLER USING IR SENSOR
	15701A0216	GIRISH BABU U		
	16705A0214	HEMANTHA KUMAR		
	15701A0244	MOHAMMED SAMEER		
32	15701A0259	RAJA SEKHAR REDDY P	B MADHUSUDANA REDDY	A COMPARISON OF CLOSED LOOP OPTIMAL 63 LEVEL NOVEL MULTILEVEL INVERTER FED IM DRIVE BY USING FUZZY LOGIC AND ANFIS CONTROLLERS
	15701A0261	RAJITH SAI REDDY D		
	15701A0280	SIVA TEJA DHEEP		
	16705A0225	MANOHAR N		

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Department of Mechanical Engineering
Academic Project Work - B.Tech

Following is the list of project batches formed for the academic project work(2018-2019) during Fourth year.

Year: IV
Sec: A

Batch	H.T.No	Name of the student	Guide Name	Project Title
A l	15701A0327	Harshavardhan Reddy M	Sri. D VISHNU VARDHAN REDDY	Development and Characterization of Aluminium Hybridmetal matrix composites
	16705A0305	Ganeshkumar Reddy Y		
	16705A0313	Maheswara Reddy R		
	15701A0311	Balaji P		
A 2	15701A0343	Manojkumar K	Sri. R V N R SURYA PRAKASH	Optimization of EDM process parametrs of AL7075 using Grey Taguchi Method
	16705A0301	Arshad Baig M		
	15701A0337	Lokesh B		
	15701A0335	Lalitha A		
A 3	15701A0324	Hari Keshava Reddy K	Smt. D Swetha	Impact of AQUEOUS Alumina Nano-Fluid on Engine's Performance and Emissions
	15701A0336	Likitha D		
	15701A0306	Ananta Kumar Reddy K		
	16705A0307	Guru Rajareddy N		
A 4	15701A0315	Chandrasekhar C	Prof. D. Krishna MohanRaju	Experimental finding of low coefficient drag fan blades to reduce the power consumption of a power saving ceiling fan
	15701A0313	Chakradhar Y		
	15701A0314	Chandhra Sekhar B		
	15701A0312	Ediga Bharath Goud T		
	15701A0339	Lokesh U		
A 5	15701A0347	Navaneeth Kumar Reddy A	Smt. N. Deepthi	Optimal control on parameters of machining in CNC wire cut EDM for Aluminium 3003
	16705A0310	Khaleel S		
	15701A0329	Hirankumar V		
A 6	15701A0320	Eswar Sai P	Dr P V Sanjeev Kumar	Fabrication and characterization of Polymer Laminate composites Reinforced with BI-WOVEN glass fibers
	15701A0338	Lokesh G		
	15701A0318	C Dhanunjaya Reddy P		
	15701A0310	Avesh Adam S		
	15701A0309	Arun Tej B		

A 7	16705A0316 16705A0314 16705A0317	Murali Mohan T Manoj Kumar N Nagendra Reddy C	Prof N. Siva Rami Reddy	Minimization of Makespan in Jobshop Scheduling using Metaheuristic
				Analysis of thin film coating by Ni-Cr in ARC Welding of mild steel
				Degradation behaviour of ZIRCONIUM oxide and Tricalcium Phosphate coated Magnesium Alloy for Orthopaedic Applications
				Fabrication of Multi Seed Sowing Machine
				Experimental Investigation of Exhaust Emission Monitoring Uisng IoT
				Performance Analysis of CI Engine Using Bioblended Diesel and Distilled water
				Development of Hyper Elastic SCAFFOLD by using MESOPOROUS Bioactive Glass
				Experimental Analysis of DIELECTRIC Fluid on EDM Process Parameters

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Following is the list of project batches formed for the academic project work(2018-2019) during Fourth year.

Year: IV
Sec: B

Batch	H.T.No	Name of the student	Guide Name	Project Title
B l	15701A0357	Prashanth Reddy BC	Dr N Venkata chalapthi	Performance Analysis of an Electric Bike
	15701A0373	Sasidhar G		
	15701A0358	Prathyusha K		
	15701A03A1	Thulasi Kumar Reddy P		
B 2	15701A03A4	Veeramanikanta M	Ms P Salonica sravani	Optimization of Process parameters in Wedm of Inconel 718 Alloy
	16705A0332	Sreepathi Reddy B		
	15701A0325	Rama Mohan N		
	15701A03A3	Vasudeva C		
B 3	15701A0363	Raghava Sandeep N	sri C RAMANJANEYULU	Thermodynamic Analysis & Simulation of Milk Processing plant by using Cycle Tempo Software
	15701A0375	Sathish Kumar Reddy NP		
	16705A0333	Suneel Kumar K		
	16705A0320	Pavan Kumar P		
B 4	15701A0355	Gari Phanikumar P	Sri G Amarnath	Investigation of Graphane usage on Photovoltaic Cell
	16705A0331	Sreenivas A		
	16705A0328	Sajjad S		
	15701A0376	Satish Kumar U		
B 5	15701A0399	Thirupal M	Sri S Vijay Kumar Reddy	Performance & Emission Characteristics of Linseed oil Bio Diesel Blends in a Diesel Engine
	15701A0378	Siva B		
	15701A0398	Tharun P		
	15701A0394	Surendra Babu C		
B 6	16705A0326	Riyaz S	Sri M MARUTHI PRASAD	Road Side Dust Collecting Machine
	15701A0382	Sivakrishna M		
	15701A0387	Subramanyam T		
	16705A0330	Sireesha C		
B 7	15701A0360	Praveen Kumar K	Sri G Venkata Ajay Kumar	Parametric Optimization of Abrasive Water Jet machining Process by using Whale Optimization Alogrithm
	15701A0389	Sudheer N		
	16705A0325	Rama Mohan N		
	15701A0390	Sukumar P		
B 8	15701A0364	Raghunatha Reddy B	Sri Y poora chandra sekhar	Investigation of Mechanical & Metallurgical Properties of Aluminum Metal Matrix Composite
	16705A0323	Raghunath Reddy C		
	15701A0361	Praveen Kumar V		
	15701A0371	Sanjeeva K		
	15701A03A2	Varshith V		
B 9	15701A0351	Noorulla S	Sri B santosh kumar	Fabrication and Material Characterization of GRF Composite with/Without Filler
	15701A0352	Parameshwara Reddy Y		
	15701A0366	Rajasekar Reddy A		
	16705A0319	Obulareddy P		

B 10	15701A0368	Reshwanth Babu C	Mr.G.Venkata Ajay Kumar(Sri A.H.Kiran Teja)	Development of Decision support system for Optimization of ECM Process
	15701A0377	Shiva Narayana P		
	15701A0385	Subhash V		
	15701A0365	Raja Kullayappa D		
	15701A03A2	Varshith V		
B 11	15701A0362	Purushotham K	Sri AVNS Kiran	Experimental Investigation in Machining of AL 6061 & Robust Optimization of Machining Parameters
	16705A0329	Sandeep Kumar G		
	15701A0388	Sudarshan T		
	15701A0369	Sai Prathap S		
B 12	15701A0392	Sunil Kumar D	Dr. N.Venkata Chalapathi(Sri S.Inayath)	Optimization of CNC Turning process parameters through Taguchi Method on Aluminium 6063
	15701A0391	Sunil K		
	15701A03A0	Thulasi Kumar B		
	15701A0374	Sateesh B		
B 13	15701A0384	Subba Reddy K	Dr A HEMANTH KUMAR	Optimization of Various process Parameters in WEDM on Aluminium Alloy using GA & SA Optimization Techniques.
	15701A0380	Siva Prasanth Reddy G		
	15701A0354	Pavan Kumar G		
	15701A0395	Surendranatha Reddy B		
B 14	15701A0367	Ram Sai Reddy O	Sri M.Lokanath	Precidition Of Machining parameters in drilling Operation on Aluminium Alloys by using ANN.
	16705A0327	Sai Kumar M		
	15701A0359	Prathyusha M		
	15701A0383	Sreedhar Reddy B		
B 15	16705A0321	Pavan Kalyan M	Sri. D VISHNU VARDHAN REDDY	Parametric Optimization in Wire EDM of AISID3 material by sing GRA & GA
	16705A0322	Pradeep Kumar R		
	16705A0324	Ramalinga Reddy M		
	15701A0381	Siva Sankar M		

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Academic Project Work - B.Tech

Following is the list of project batches formed for the academic project work(2018-2019) during Fourth year.

Year: IV
Sec: C

Batch	H.T.No	Name of the student	Guide Name	Title
C 1	15709A0329	Subbarayudu M	Sri.N.Nagaraju	EXPERIMENTAL INVESTIGATION AND OPTIMASATION OF CNC-DRILLING PROCESS PARAMETERS FOR ALUMINIUM-6061 BY USING GREY TAGUCHI METHOD
	15709A0333	Uday Kiran A		
	15709A0321	Reddi Varaprasad I		
	15709A0310	Krishnama Naidu T		
C2	15709A0315	Nityapuja Reddy B	Sri. K.AJAY KUMAR REDDY	ENHANCEMENT OF TRIBOLOGICAL PROPERTIES OF MAGNESIUM ALLOY BY COATING TITANIUM DIOXIDE USING PLASMA SPRAY
	15709A0303	Bhargava Reddy G		
	15709A0330	Sunil Kumar B		
	15709A0334	Venkata Uday Kumar D		
C 3	15701A03A6	Venkata Bala Teja C	Smt. GLORY UJWALA	SYNTHESIZE AND CHARACTERIZATION OF ACRYLONITRILE BUTADIENE STYRENE(ABS)-GRAPHENE NANOCOMPOSITE
	15701A03C0	Viswanth Reddy K		
	15701A03A8	Venkata Ravi Kumar R		
	15701A03B4	Venkateshwarlu B		
C 4	15709A0309	Karthik G	Sri. S.MD. JAMEEL BASHA	DEVELOPING OF ALUMINIUM ALLOY 6061 BY REINFORCING WITH TITANIUM DIOXIDE AND BORON NITRIDE AND PERFORMING THE MECHANICAL TESTS
	15709A0308	Jathin Kumar Reddy Y		
	16700A0304	Venkata Narayana R		
	15709A0311	Manoj Kumar Raju C		
C 5	16705A0341	Vivekananda Reddy S	Sri. N. KISHORE KUMAR	DEVELOPMENT AND STUDY OF AL ALLOY 7075 BY REINFORCING WITH NANOPARTICLES OF BORON NITRIDE AND TUNGSTEN CARBIDE BY USING STIR CASTING PROCESS.
	16700A0302	Jayachandra Reddy M		
	15709A0306	Hari Krishna G		
	15709A0328	Sreenivasulu N		
C 6	15701A03A5	Veerat Reddy K	Ms. M. SUNEETHA	DEVELOPMENT OF BIOACTIVE MATERIALS FOR ORTHOPEDIC IMPLANTS
	15709A0323	Sai Charan V		
	15701A03C1	Wasim Ahmed N		
	15709A0337	Yeswanth Kumar Reddy M		
C 7	16705A0340	Vishnuvardhan Reddy O	Sri. V VENKATESH	3D PRINTED CORE SHELL BIO ACTIVE LI &SI SCAFFOLDS FOR OSTROCHONDRAL DEFFECTS REGENERATION
	16705A0335	Thirumala Kishor C		
	16705A0334	Surendra Babu P		
	16700A0303	Mahendra Yadav O		
C 8	16700A0301	Chaitanya B	Sri. S RAMESH BABU	FRICTION STIR WELDING ON HIGH DENSITY POLYETHLYNE WITH REINFORCEMENT OF CERAMICS AND NON-FERROUS METAL
	15701A03B1	Venkata Suresh B		
	15709A0335	Vinod Kumar Reddy BV		
	15701A03B0	Venkata Suresh Babu V		
C 9	15701A03B8	Vinod Kumar I	Smt. K NAGAMANI	Optimization of process parameters in FSW of aluminium 2618 by reinforced of ceramics
	15701A03C3	Zaheer Ahmed N		
	15701A03C2	Yaswanth Reddy B		
	15701A03B7	Venugopal Reddy C		
	15709A0304	Dheeraj Reddy D		

C 10	15709A0317	Pavan Kalyan Reddy S	Sri. S M SALEMUDDIN	Design and fabrication of low cost ball milling machine for producing nanoparticles
	15709A0322	Roohul Ameen K		
	15709A0336	Venkateswarlu Reddy S		
	15709A0332	Surya Theja C		
C 11	15709A0313	Narahari V	Sri. S NAGENDRA	Developing of aluminum alloy 7075 by reinforcing with(tio2&wc)nanoparticle and performing mechanical test on aluminium alloy 7075
	15709A0331	Surya Teja S		
	16705A0336	Veera Manikanta V		
	15709A0320	Ramsai G		
C 12	15709A0307	Imran S	Sri S VIJAY KUMAR REDDY	Analysing the performance and emission characteristics of a diesel engine by using Thermal Barrier Coating
	16705A0337	Venkata Mahesh G		
	15709A0305	Ganesh A		
	15709A0302	Basheer S		
C 13	16705A0338	Venkata Ramanaiah N	Sri. N JAYAKRISHNA	Experimental investigation on mechanical properties of magnesium based metal matrix composites
	15709A0314	Navakanth Reddy K		
	15709A0316	Omkar Vamsi Krishna S		
	16705A0339	Vinod Kumar R		
	15709A0301	Ashok Kumar T		
C 14	15701A03B6	Venkateswarlu P	Sri. C THIRUPATHAIAH	surface analysis on CNC drilling of aluminium metal matrix composites
	15701A03B3	Venkatesh B		
	15701A03B2	Venkatasai Guru		
	15709A0326	Sivananda Reddy S		

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Batch	H.T.No	Name Of The Student	Project Title
1	15701A0327	Harshavardhan Reddy M	Development And Characterization Of Aluminium Hybridmetal Matrix Composites
	16705A0305	Ganeshkumar Reddy Y	
	16705A0313	Maheswara Reddy R	
	15701A0311	Balaji P	
2	15701A0343	Manojkumar K	Optimization Of EDM Process Parametrs Of AL7075 Using Grey Taguchi Method
	16705A0301	Arshad Baig M	
	15701A0337	Lokesh B	
	15701A0335	Lalitha A	
3	15701A0324	Hari Keshava Reddy K	Impact Of AQUEOUS Alumina Nano-Fluid On Engine's Performance And Emissions
	15701A0336	Likitha D	
	15701A0306	Ananta Kumar Reddy K	
	16705A0307	Guru Rajareddy N	
4	15701A0315	Chandrasekhar C	Experimental Finding Of Low Coefficient Drag Fan Blades To Reduce The Power Consumption Of A Power Saving Ceiling Fan
	15701A0313	Chakradhar Y	
	15701A0314	Chandhra Sekhar B	
	15701A0312	Ediga Bharath Goud T	
	15701A0339	Lokesh U	
5	15701A0347	Navaneeth Kumar Reddy A	Optimal Control On Parameters Of Machining In CNC Wire Cut EDM For Aluminium 3003
	16705A0310	Khaleel S	
	15701A0329	Hirankumar V	
6	15701A0320	Eswar Sai P	Fabrication And Characterization Of Polymer Laminate Composites Reinforced With BI-WOVEN Glass Fibers
	15701A0338	Lokesh G	
	15701A0318	C Dhanunjaya Reddy P	
	15701A0310	Avesh Adam S	
	15701A0309	Arun Tej B	
7	16705A0316	Murali Mohan T	Minimization Of Makespan In Jobshop Scheduling Using Metaheuristic
	16705A0314	Manoj Kumar N	
	16705A0317	Nagendra Reddy C	
	15701A0316	Chandrasekhar Reddy K	
8	15701A0304	Amarnatha Reddy V	Analysis Of Thin Film Coating By Ni-Cr In ARC Welding Of Mild Steel
	15701A0301	Adi Narayana Reddy T	
	15701A0344	Naga Lokesh K	
	15701A0303	Akhil B	
9	15701A0342	Maheswara Reddy K	Degradation Behaviour Of ZIRCONIUM Oxide And Tricalcium Phosphate Coated Magnesium Alloy For Orthopaedic Applications
	16705A0312	Madhu Babu K	
	16705A0315	Maruthi Naidu T	
	15701A0341	Mahendra B	
10	16705A0302	Bala Krishna K	Fabrication Of Multi Seed Sowing Machine
	15701A0307	Arif Sohel S	
	15701A0322	Guru Prasad T	

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Batch	H.T.No	Name Of The Student	Project Title
	15701A0319	Dharani P	
11	16705A0303	Devi Varaprasad P	Experimental Investigation Of Exhaust Emission Monitoring Uisng Iot
	16705A0306	Guru Naveen V	
	16705A0311	Madhanamohan Reddy M	
	16705A0309	Hari Krishna L	
12	15701A0345	Naga Prasad Raju M	Performance Analysis Of CI Engine Using Bioblended Diesel And Distilled Water
	16705A0318	Noorulla S	
	16705A0304	Gadilingappa K	
	15701A0323	Gurumanikanteswar Reddy V	
13	15701A0350	Naveenkumarreddy G	Development Of Hyper Elastic SCAFFOLD By Using MESOPOROUS Bioactive Glass
	15701A0349	Naveen P	
	15701A0346	Nagasudarshan G	
	15701A0305	Anandkumar Reddy M	
14	15701A0317	Chennakesava Reddy C	Experimental Analysis Of DIELECTRIC Fluid On EDM Process Parameters
	16705A0308	Hareesh G	
	15701A0330	Hussen Babu R	
	15701A0333	Kumaraswami Raju Y	
15	15701A0334	Lakshmanaswamy K	Development Of 3-D Printed MESOPOROUS BIOACTIVE Glass Bone SCAFFOLD
	15701A0321	Guru Prasad T	
	15701A0331	Irfankhan P	
	15701A0348	Naveen Kumar J	
16	15701A0357	Prashanth Reddy BC	Performance Analysis Of An Electric Bike
	15701A0373	Sasidhar G	
	15701A0358	Prathyusha K	
	15701A03A1	Thulasi Kumar Reddy P	
17	15701A03A4	Veeramanikanta M	Optimization Of Process Parameters In Wedm Of Inconel 718 Alloy
	16705A0332	Sreepathi Reddy B	
	15701A0325	Rama Mohan N	
	15701A03A3	Vasudeva C	
18	15701A0363	Raghava Sandeep N	Thermodynamic Analysis & Simulation Of Milk Processing Plant By Using Cycle Tempo Software
	15701A0375	Sathish Kumar Reddy NP	
	16705A0333	Suneel Kumar K	
	16705A0320	Pavan Kumar P	
19	15701A0355	Gari Phanikumar P	Investigation Of Graphane Usage On Photovoltaic Cell
	16705A0331	Sreenivas A	
	16705A0328	Sajjad S	
	15701A0376	Satish Kumar U	
20	15701A0399	Thirupal M	Performance & Emission Characteristics Of Linseed Oil Bio Diesel Blends In A Diesel Engine
	15701A0378	Siva B	
	15701A0398	Tharun P	

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Batch	H.T.No	Name Of The Student	Project Title
	15701A0394	Surendra Babu C	
21	16705A0326	Riyaz S	Road Side Dust Collecting Machine
	15701A0382	Sivakrishna M	
	15701A0387	Subramanyam T	
	16705A0330	Sireesha C	
22	15701A0360	Praveen Kumar K	Parametric Optimization Of Abrasive Water Jet Machining Process By Using Whale Optimization Alogrithm
	15701A0389	Sudheer N	
	16705A0325	Rama Mohan N	
	15701A0390	Sukumar P	
23	15701A0364	Raghunatha Reddy B	Investigation Of Mechanical & Metallurgical Properties Of Aluminum Metal Matrix Composite
	16705A0323	Raghunath Reddy C	
	15701A0361	Praveen Kumar V	
	15701A0371	Sanjeeva K	
	15701A03A2	Varshith V	
24	15701A0351	Noorulla S	Fabrication And Material Characterization Of GRF Composite With/Without Filler
	15701A0352	Parameshwara Reddy Y	
	15701A0366	Rajasekar Reddy A	
	16705A0319	Obulareddy P	
25	15701A0368	Reshwanth Babu C	Development Of Decision Support System For Optimization Of ECM Process
	15701A0377	Shiva Narayana P	
	15701A0385	Subhash V	
	15701A0365	Raja Kullayappa D	
	15701A03A2	Varshith V	
26	15701A0362	Purushotham K	Experimental Investigation In Machining Of AL 6061 & Robust Optimization Of Machining Parameters
	16705A0329	Sandeep Kumar G	
	15701A0388	Sudarshan T	
	15701A0369	Sai Prathap S	
27	15701A0392	Sunil Kumar D	Optimization Of CNC Turning Process Parameters Through Taguchi Method On Aluminium 6063
	15701A0391	Sunil K	
	15701A03A0	Thulasi Kumar B	
	15701A0374	Sateesh B	
28	15701A0384	Subba Reddy K	Optimization Of Various Process Parameters In WEDM On Aluminium Alloy Using GA & SA Optimization Techniques.
	15701A0380	Siva Prasanth Reddy G	
	15701A0354	Pavan Kumar G	
	15701A0395	Surendranatha Reddy B	
29	15701A0367	Ram Sai Reddy O	Precidition Of Machining Parameters In Drilling Operation On Aluminium Alloys By Using ANN.
	16705A0327	Sai Kumar M	
	15701A0359	Prathyusha M	
	15701A0383	Sreedhar Reddy B	
30	16705A0321	Pavan Kalyan M	

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Batch	H.T.No	Name Of The Student	Project Title
	16705A0322	Pradeep Kumar R	Parametric Optimization In Wire EDM Of AISID3 Material By Sing GRA & GA
	16705A0324	Ramalinga Reddy M	
	15701A0381	Siva Sankar M	
31	15709A0329	Subbarayudu M	EXPERIMENTAL INVESTIGATION AND OPTIMASATION OF CNC-DRILLING PROCESS PARAMETERS FOR ALUMINIUM-6061 BY USING GREY TAGUCHI METHOD
	15709A0333	Uday Kiran A	
	15709A0321	Reddi Varaprasad I	
	15709A0310	Krishnama Naidu T	
32	15709A0315	Nityapuja Reddy B	ENHANCEMENT OF TRIBOLOGICAL PROPERTIES OF MAGNESIUM ALLOY BY COATING TITANIUM DIOXIDE USING PLASMA SPRAY
	15709A0303	Bhargava Reddy G	
	15709A0330	Sunil Kumar B	
	15709A0334	Venkata Uday Kumar D	
	15701A03A6	Venkata Bala Teja C	
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Batch	H.T.No	Name Of The Student	Project Title
	15701A03B7	Venugopal Reddy C	
	15709A0304	Dheeraj Reddy D	
40	15709A0317	Pavan Kalyan Reddy S	Design And Fabrication Of Low Cost Ball Milling Machine For Producing Nanoparticles
	15709A0322	Roohul Ameen K	
	15709A0336	Venkateswarlu Reddy S	
	15709A0332	Surya Theja C	
41	15709A0313	Narahari V	Developing Of Aluminum Alloy 7075 By Reinforcing With(Tio2&Wc)Nanoparticle And Performing Mechanical Test On Aluminium Alloy 7075
	15709A0331	Surya Teja S	
	16705A0336	Veera Manikanta V	
	15709A0320	Ramsai G	
42	15709A0307	Imran S	Analysing The Performance And Emission Characteristics Of A Diesel Engine By Using Thermal Barrier Coating
	16705A0337	Venkata Mahesh G	
	15709A0305	Ganesh A	
	15709A0302	Basheer S	
43	16705A0338	Venkata Ramanaiah N	Experimental Investigation On Mechanical Properties Of Magnesium Based Metal Matrix Composites
	15709A0314	Navakanth Reddy K	
	15709A0316	Omkar Vamsi Krishna S	
	16705A0339	Vinod Kumar R	
	15709A0301	Ashok Kumar T	
44	15701A03B6	Venkateswarlu P	Surface Analysis On CNC Drilling Of Aluminium Metal Matrix Composites
	15701A03B3	Venkatesh B	
	15701A03B2	Venkatasai Guru	
	15709A0326	Sivananda Reddy S	

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Academic Year 2018-19

Code	Subject	Credits
5P2B61	Project Seminar	2
5P2B62	Project Thesis / Dissertation	12

A SAMPLE LIST OF PROGRAMMES AND STUDENTS UNDERGONE FIELD PROJECTS

S.No.	Register Number	Name of the Student	Title of the Project
1	16701F0001	Vennapusa Analika	A Query-Driven Apporach To Entity Resolution
2	16701F0002	Syed Azahar	Secure And Efficient Product Information Retrieval In Cloud Computing
3	16701F0003	DEEPA CIKOLA	Online Application Of The Training And Placement Depatment Of The Colloge
4	16701F0004	GANGA DEVI DASARI	User Preference Analysis For Most Frequent Peer/Dominator
5	16701F0005	HARIKRISHNA GOLLA	A Methodology For Secure Sharing Of Personal Health Records In The Cloud
6	16701F0006	HARIKRISHNAIDU PAYALA	HPPQ: A Parallel Package Queries Processing Approach For Large-Scale Data
7	16701F0007	LAKSHMI TEJA MEEGADA	EMOMA: Exact Match In One Memory Access
8	16701F0008	LAKSHMIPATHI D	Acheving Efficent And Secure Data Acquisation For Cloud Supported Internet Of Things In Smart Grid
9	16701F0009	LAVANYA MUNAGALA	Improving Throughput Optimality For Multipath Routing In Heterogeneous Networks
10	16701F0010	LAVANYA SOMAGUTTA	Collaborative Filtering-Based Recommendation Of Online Social Voting
11	16701F0011	MADHAVI UPPARA	Learing Customer Behaviors For Efftive Load Forecasting
12	16701F0012	MANOJKUMAR RAJU KONDURU	Online Student Counselling Record Management
13	16701F0013	NAGA SWATHI SURAM	Employee Information management System
14	16701F0014	NARESH KAMMAMPET	Alight Weight Secure Data Sharing Scheme For Mobile Cloud Computing
15	16701F0015	PAVAN KUMAR REDDY SANGATI	Attributed Network Alignment: problem Definitations and Fast Solutions
16	16701F0016	PRASANNA CHINTHALAPALLI	Personal Web revisitation By Context And Content keywords With Relevance Feed Back
17	16701F0017	PREETHI MANIGELA	Online Colloge Tech fest Management System
18	16701F0018	RAGHAVENDRA GOUD PANYAM	Achieving Data Truthfullness And Privacy Presrvation in Data Markets
19	16701F0019	RAMA SUDHAKARA REDDY SAGILE	Optimising Information Leakage In Multicloud Storage Services
20	16701F0020	REDDY KUSUMA DUVVURI	Genewave: Fast Authentication And Key Agreement On Commodity Moblie Devices

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21	16701F0021	SAI DEEPIKA DASARI	Frequent Itemsets Mining With Differntial Privacy Over Large Scale Data
22	16701F0022	SREEKANTH GUJJULA	Cloud-Centric Workplace For Smart Code Business Automation
23	16701F0023	SREENIVASULU EETAMAPURAM	Online Admission Requesting And processing Management system
24	16701F0024	SREENIVASULU REDDY DODDI	Efficient Clue Based Route Search On Road Networks
25	16701F0025	SRINATH KAMAATAM	Hedonic pricing Of Cloud Computing Services
26	16701F0026	SUJINI UTUKURU	Performance Comparison Of Support Vector Machine, Random Forest And Extreme learning machine For Intrvsion Detection
27	16701F0027	SURESH OLETI	Corruption Control Through Budget Maintenace
28	16701F0028	SWAPNA GURRAMKONDA	A New Service Mechanism for the profit Optimizations Of the Cloud Provider And It's Users
29	16701F0029	SWETHA BUNGATAVULA	Online Payroll Software Management System
30	16701F0030	UMA SANKAR BOYA	Online Polling Management System
31	16701F0031	VASANTHA KOTAPATI	Identity Based Encryption With Cloud Revocation Authority and Its Applications
32	16701F0032	VENKATESH PALLI	Search Rank Fraud And Malware Detection In Google Play
33	16701F0033	VENKATESWARLU MAMILLA	Application For Job Details And Guidelines Management System

A Project Report on

"IMPROVEMENTS OVER THE EXISTING OF FLEXIBLE PAVEMENT AND ITS ESTIMATION"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

by

G.MAHESH	**15701A0140**
C.GUNA SEKHAR	**15701A0120**
S.CHINNA PEDDIRAJU	**16705A0107**
S.B.MOHMMED ZAID	**15701A0146**
R.LOKESHWAR REDDY	**15701A0137**

Under the guidance of

Dr. Y.SREERAMULU, M.Tech (Ph.D.)

professor

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

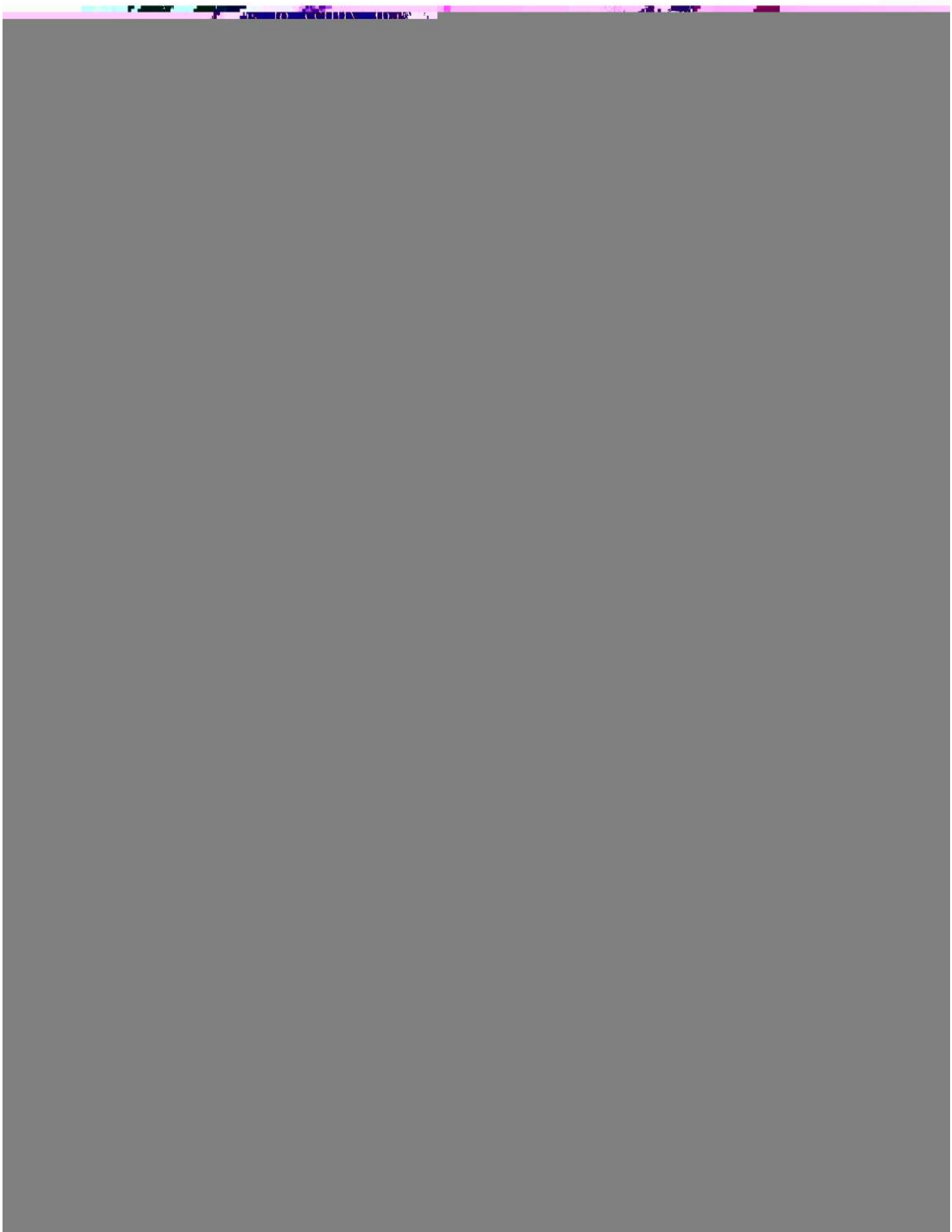
(Autonomous)

(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

New Boyanapalli, Rajampet, Kadapa Dist, A.P-516126.

2018-19

CERTIFICATE



Date: 30/3/19.

CERTIFICATE

I here to certify that **G.MAHESH (15701A0140), C.GUNA SEKHAR (15701A0120), S.CHINNA PEDDIRAJU (16705A0107), S.B.MOHAMMED ZAID (15701A0146), R.LOKESHWAR REDDY (15701A0137)** studying IV B.Tech II Sem in Civil Engineering Branch in **ANNAMACHARYA INSTITUTION OF TECHNOLOGY AND SCIENCES-RAJAMPET** has done project entitled "**IMPROVEMENTS OVER THE EXISTING OF FLEXIBLE PAVEMENTS AND ITS ESTIMATION**" as their B.Tech final year project

30/3/19

DEPUTY EXECUTIVE ENGINEER

Deputy Executive Engineer
R. & B. Sub division
PULIVENDULA (East)

R & B Department
(Kadapa Division)

ABSTRACT

The various ways of transporting the men materials are high ways railways, waterways, ropeways, pipe ways, airways, belt conveyors etc. Highway engineering deals with designing construction and maintaining the road. Research and development main components are improving road design. Modernization of construction techniques. Introduction of improved material conforming to latest trends. Evolving better and appropriate specifications, encouraging development and use of new technologies etc.

Our project emphasizes on importance of roads, classification of roads, tests conducted on soil in the field for knowing the engineering properties of soil. Design of road by using California bearing ratio method test also conducted on materials used in different layers of road construction. Estimation of materials used in construction of road also included in our project. A good design of roads results in good transportation. Designer should consider volume of traffic in that way which is useful for future expansion of road and should know the properties of materials used in construction for getting our desired strength to the road.

Keywords: Roads, Railways, tests on soils etc.,

A Proposed Project Report On

"CONCRETE PAVING BLOCKS USING CRUMB RUBBER AND PVC POWDER"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

E.DINESH KUMAR REDDY	**16705A0111**
B.DAMODAR REDDY	**16705A0108**
Y.DHARMA TEJA REDDY	**16705A0109**
P.LAKSHMI BHANU PRAKASH	**15701A0133**
Y.DHANUSH KUMAR	**15701A0113**

Under the guidance of

Mr.N.MADHAVA REDDY, M.Tech.,

Assistant Professor

Submitted to

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New Boyanapalli, RAJAMPET -516126

2018-2019.

CERTIFICATE

This to certify that the project work entitled **" CONCRETE PAVING BLOCKS USING CRUMB RUBBER AND PVC POWDER "** is a bonafide project work submitted by

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B.DAMODAR REDDY	**16705A0108**
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P.LAKSHMI BHANU PRAKASH	**15701A0133**
Y.DHANUSH KUMAR	**15701A0113**

In partial fulfillment of requirements for the award of degree of Bachelor of Technology in "**Civil Engineering**" for the academic year 2018-19. This work has been carried out under my guidance and has not been submitted the same for any University/Institution for award of any Degree.

PROJECT GUIDE

Mr. N.MADHAVA REDDY

Assistant Professor

02/04/19

HEAD OF DEPARTMENT

Dr. Y. SREERAMULU

Professor& HOD

Submitted for university examination held at 03/04/2019

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

Rajampet.

	Name of the examiner	Signature of the examiner
1. Internal Examiner	N.R. Gowthami	
2. External Examiner	Dr. P.V. Subba Reddy	P.V. Reddy

CONCRETE PAVING BLOCKS BY USING PVC AND CRUMB RUBBER

ABSTRACT:

Disposal of crumb rubber and pvc waste in environment is consider to be a big problem due to its low biodegradable and presence in large quantities. Therefore, finding alternative method of disposing waste by using friendly methods are becoming a major research issue. In this research, crumb rubber and pvc waste are mixed in concrete to investigate the possibility to produce concrete paving blocks, and also to study the effect of replacing of cement and sand byfine pvc and crumb rubber waste respectively with different percentages .The experiments were done byreplacing of sand with 15% of crumb rubber and replacing of cement with pvc in percentages of 10%,15%,20%,25%,30%.the results show that there is a possibility in increasing ductility and the workability ,which leads to light weight materials.

CHAPTER 9

CONCLUSION

This paper discusses a series of tests conducted to characterize concrete paving blocks made with partial replacement of fine aggregates with waste rubber in the form of fine shredded crumbs and replacement of cement with pvc powder. The tests conducted include strength tests i.e., compressive, flexure and impact strengths. Comparisons to conventional concrete paving blocks include derived parameters, such as the impact energy and ductility index. The test results support the initial assumption that concrete pavement blocks have superior toughness and strength compared to conventional concrete blocks. These blocks help mechanize the combined load bearing mechanisms that combine the hinge formation at joints and flexural bending of blocks. Observations from this study are summarized as follows.

- Based on the test results of this study, which show that there is an increase in slump values whencrumb rubber content increases up to 20%.This means that the workability of rubberized concrete improves due to the addition of rubber crumbs and is acceptable in terms of the ease of handling, the placing and finishing of wet concrete as compared to normal concrete.
- Compressive strength for various replacement of fine aggregate by crumb rubber there is a decrease in compressive strength with the increase of crumb rubber content. So that the strength goes on decreasing.Crumb rubber can be effectively used as replacement up to 15% by weight of fine aggregate, lightly decreasing the strength compared to controlled concrete.
- The rubberized and pvc concrete pavement blocks have superior toughness and strength compared to conventional load concrete block.
- The flexural strength of concrete increases up to 20% of the crumb rubber and pvcreplacement. When the percentage of crumb rubber and pvc replacement increases over 20% the flexural strength begins to decrease. An explanation may be based on tension stain hardening.
- If the suggested fracture arrested by the embedded crumb rubber, then the integration of flexural hardening and joint interlocking would make RCBP a superior roadway pavement system. Future studies should focus on demonstrating the global behaviors of a block pavement system with joint response monitoring.

- The impact resistance of the paving blocks was calculatedin two stages: (i) first cracks impact resistance and (ii) failure impact resistance. Both stages of impact resistancewere increased by the replacement of sand with crumb rubber up to 20% by volume of sandand cement by pvcupto 20% by volume of cement. The ductility indexalso increased when the pvc and crumb rubber content increased up to 20%&15%.
- The incorporation of rubber content to concrete, changes,the failure pattern from a brittle mode to ductile mode,which displays the beneficial effects of Portland cement block with crumb rubber, used in absorbing vibrations.
- It is eco-friendly by the use of waste tire for construction applications involved shredding the waste tires into small particles, then using them as replacement forcoarse aggregate in concrete and also by the use of waste pvc pipes for construction applications involved shredding the waste pipes into powder form,then using them as replacement for cement in concrete.
- These rubberized and pvc concrete paving blocks in the use of interlocking pavements as alternative for conventional rigid and asphalt pavements reduces maintenance cost and ICBPairs easy to repair.

A Proposed Project Report On

"SOIL STABILIZATION USING POLYPROPYLENE FIBER"

Submitted in partial fulfillment of the requirement for the award of the degreeof

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

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M.RAMESH	16705A0134
C .SWAROOP KUMAR REDDY	15701A0195
N.SREENUVASULU REDDY	15701A0192
B.SIVA SEKHAR	15701A0185

Under the guidance of

MR. G. NAVEEN KUMAR, M.Tech (Ph.D.)

Assistant professor

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSITITUTE OF TECHNOLOGY AND SCIENCES

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(Approved by AICTE,JNTUA, Ananthapuram, Accredited by NBA,NAAC&IEI)

New Boyanapalli, RAJAMPET -516126

2018-2019

CERTIFICATE

This is to certify that the project work entitled "SOIL STABIIZATIN USING POLYPROPYLENE FIBER" is a bonafide project work submitted by

M.RAJESH	16705A0132
M.RAMESH	16705A0134
C .SWAROOP KUMAR REDDY	15701A0195
N.SREENUVASULU REDDY	15701A0192
B.SIVA SEKHAR	15701A0185

In the department of CIVIL ENGINEERING in a partial fulfillment of requirements for the award of degree of Bachelor of Technology in"CIVIL ENGINEERING" for the year 2018-2019. This work has been carried out under my guidance and has not been submitted the same for any university/institution for award of any Degree/Diploma.

02/04/19

PROJECT GUIDE
Name: Mr. G. NAVEEN KUMARDR.
Designation: Assistant Professor

HEAD OF DEPARTMENT
Dr. Y. SREERAMULU
Professor

Submitted for university examination held at

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES,
Rajampet.
(AUTONOMOUS)

Name of the Examiner	Signature With Date
1.Internal Examiner: Dr. Y. Sreeramulu	04/04/19
2. External Examiner: Dr. N. Srinivasa Rao	

ABSTRACT

In India, a major portion of total land area is covered by clayey soil. Of this, a large proportion is expansive soil. Structures constructed over this expansive soil may be severely damaged due to its high swell-shrinkage behavior. So such soils need to be stabilized to increase its strength, durability and to prevent erosion. Various studies have been carried out on expansive soils to improve its properties. Soil stabilization is one of the promising techniques used to improve the geotechnical properties of soil and has become the major practice in construction engineering. This project aims to conduct a study to check the improvements in properties of clayey soil by adding polypropylene fiber. By varying percentage of reinforcement (0%, 0.6%, 1.2%, 1.8%, and 2.4%), the soil parameters such as OMC and UCS may be studied. These values are compared to that of a control specimen.

Key Words: Swell, Liquid Limit, Plastic limit, Standard proctor compaction test, Unconfined compressive strength (UCS), Polypropylene fiber and clayey soil.

CHAPTER 6

CONCLUSION

CONCLUSION

This study investigated the effect of adding polypropylene fiber and strength behaviour of clayey soil. The effect of fiber reinforcement on clayey soil was studied by using the results obtained from a series of liquid limit, compaction and unconfined compression test. Based on the result presented in this paper the following conclusions are drawn.

1.Based on widespread proctor check on soil sample with fiber reinforcement of 0.6%, 1.8% and a pair of 2.4 %, the increase in superior moisture content material (OMC) turned into determined to be 25%, 22% and 15% respectively . The boom within the dry density changed into located to be 1.39g/cc, 1.48g/cc and 1.65g/cc respectively.

2.The consequences from the U.S. Check for soil pattern also are similar, for reinforcements of 0.6%, 1.8% and a pair of. Four%, the growth in unconfined compressive values are 0.0562, 0.0631, 0.0637 and 0.0643 respectively

3.In view of increase in the fiber content, the OMC values of reinforced soil increases up to 0.6% fiber and decreases with the addition of 2.4 % fiber

3.Overall it can be concluded that fiber strengthened soil may be taken into consideration to be appropriate ground development approach especially in engineering projects on susceptible soils where it can act as a substitute to deep/raft foundations ,reducing the cost as well as energy.

4.Also the strength of the clayey soil was improved due to fiber addition and can be concluded that PP fiber can be used effectively for the stabilization of clayey soil.

A Proposed Project Report On

AN EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF FIBER REINFORCED CONCRETE WITH GLASS AND NYLON FIBERS

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

G.SAI RAM	**15701A0176**
Y.KAMBAGIRI SWAMY	**16705A0123**
G.RAM PRASAD	**15701A0165**
K.RAVI TEJA REDDY	**15701A0170**
G.NARASIMHA DUSHYANTH	**15701A0151**

Under the guidance of

Dr. S.M.V. NARAYANA, M.Tech, Ph.D

Assistant professor

Submitted to

DEPARTMENT OF CIVIL ENGINEERING

ANNAMACHARYA INSITITUTE OF TECHNOLOGY AND SCIENCES

(Autonomous)

(Approved by AICTE,JNTUA, Ananthapuramu, Accredited by NBA,NAAC&IEI)

New Boyanapalli, RAJAMPET -516126

2018-2019

CERTIFICATE

This is to certify that the project work entitled "AN EXPERIMENTAL STUDY ON MECHANICAL PROPERTIES OF FIBER REINFORCED CONCRETE WITH GLASS AND NYLON FIBERS" is a bonafide project work submitted by

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	Name of the Examiner	**Signature with Date**
1. Internal Examiner:		03/04/19
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ABSTRACT

Concrete is most widely used construction material in the world. The present trend in concrete technology is towards increasing strength and durability of concrete to meet the demands of the modern construction. Concrete plays a vital role in construction field. It is a fact that concrete is strong in compression but brittle and weak in tension. In order to overcome this problem generally steel reinforcement is used. Fiber reinforced concrete (FRC) is a concrete in which small and discontinuous fibers are dispersed uniformly. The fibers used in fiber reinforced concrete may be of different materials like steel, carbon, glass, aramid, nylon, asbestos, polypropylene, etc. The addition of these fibers into concrete mass dramatically increase the compressive strength, tensile strength, flexural strength and impact strength of concrete.

In the present experimental investigation the glass fiber and nylon fiber have been used to study compressive strength and tensile strength on M30 grade concrete. In this study we choose five percentages of glass fiber and nylon fiber as 0%, 1%, 1.25%, 1.5%, 1.75% & 2% by cement weight. As a part of experimental work standard size cubes & cylinders were casted and tested to evaluate 14 & 28 days compressive and split tensile strength of the above concrete mixes.

Key words: Glass fiber, Nylon fiber, compressive strength, Split tensile strength.

CHAPTER-5

CONCLUSION AND RECOMMENDATIONS

5.1: Conclusions:

The following conclusions may be drawn from the present experimental work:

1. The compressive strength of the cubes of 14 days as well as 28 days the strength has been increased at 1.25% with glass fiber and then the strength has reduced after further addition of glass fiber.
2. The split tensile strength of cylinders of 14 &28 days the highest strength attained at a percentage of 1.25% glass fiber and above 1.25% of fibers shows reduction in tensile strength.
3. The compressive strength of the cubes of 14 days as well as 28 days the strength has been increased at 1% of replacement of cement with nylon fiber and then the strength has reduced after further addition of nylon fiber.
4. The split tensile strength of cylinders of 14 & 28 days the highest strength attained at a percentage of 1% addition nylon fiber and then after that the tensile strength decreases
5. The comparison of compressive strength of glass and nylon fiber shows that the glass fiber has more effect than the nylon fibers in increasing the compressive strength.
6. The comparison of tensile strength of glass and nylon fiber shows that the glass fiber has more effect than the nylon fibers in increasing the tensile strength.
7. There is improvement on mechanical properties of concrete with addition of both nylon and glass fibers up to certain percentage in the present case -.

A Project Report

On

"EFFECT ON STRENGTH PROPERTIES OF CONCRETE BY PARTIAL REPLACEMENT OF CEMENT WITH CALCIUM BENTONITE CLAY"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING

By

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3.	**Y. RUPA SREE**	**(15701A0173)**
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ABSTRACT

Cement concrete continuous pre-eminent construction materials for use in any type of civil engineering applications. Performance of any civil engineering structures in terms of their strength and stability has with stood the test of time but the life span of the structures has become a matter of concern. The calcium bentonite clay is replaced as a partial replacement of cement, it is also termed as Indian Bentonite Cement (IBC) when it is replaced with cement. Bentonite is an eco-friendly material, doesn't cause any damage to the environment. It is also a binding material. In this project we are using ordinary Portland cement of M50 grade, the cement is partially replaced with (0%,5%,10%) of Calcium Bentonite. Firstly, the basic tests are carried with the cement. Then experimental tests are compressive strength, split tensile strength, flexural strength are done for cubes, cylinders and beams casted with M50 design mix with a water-cement ratio 0.38. The strength can be calculated for 7,14,28 days for the specimens.

CHAPTER -7

CONCLUSION AND SCOPE FOR FUTURE INVESTIGATION

7.1 GENERAL

The present study reported the efficiency of using calcium bentonite clay (waste recyclable material) for the partial replacement of cement in concrete. Since calcium bentonite is very fine material having the bonding property as the cement .

7.2 CONCLUSION

Based on the investigation , the following results were stressed.

- The exploitation of calcium bentonite in concrete provide additional environmental as well as technical benefits to the related industries. Partial replacement of calcium bentonite with cement reduces the cost of making concrete.
- Replacement of calcium bentonite with cement decreases the self weight of concrete specimen slightly because the specific gravity of calcium bentonit clay is less as compared with cement
- Initial setting time decrease with increase of percentage of calcium bentonite in cement and the setting time of concrete also decreases.
- The water absorption capacity of calcium bentonite is more therefore the workability of concrete decreased with increase in percentage of calcium bentonite in cement.
- The compressive strength increases when the cement is replaced with small amount of calcium bentonite clay. Further increases the strength decrease gradually.
- At small amount of calcium bentonite with cement the bonding nature is high for calcium bentonite . By increase of percentage it looses the bonding capacity with coarse aggregate.
- Split tensile strength and flexural strengths are also high at small percentage of 5% replacement only.
- There was addional than 5% the strength parameters are decreased.

- Consumption of calcium bentonite as Portland cement replacement in concrete and a cement raw material has the dual benefit of eliminating the cost of disposal and lowering the cost of the concrete .
- Experiential that , the calciumbentonite replacement is more effective than conventional concrete .
- If the water content increases the mixer may gives the satisfactory results in case of workability with no effect on strength.

7.3 Scope for future investigation

- This investigate was to examine the influence of calcium bentonite additions in concrete and RCC elements .
- From 5% the strength parameters increased. So it may increases the strength in between 0% to 5% replacement .
- Calcium bentonite can be efficiently replaced in making paving blocks .
- Calcium bentinite also have the geo technical scope assoil stabilizer.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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2018-2019

CERTIFICATE

This is to certify that the project work entitled

NOVEL ANALYSIS ON LOCATION OF ENERGY STORAGE SYSTEMS IN POWER SYSTEMS WITH WIND INTEGRATION

is a bonafied record of work done by

U. Samara Simha Reddy (15701A0273)

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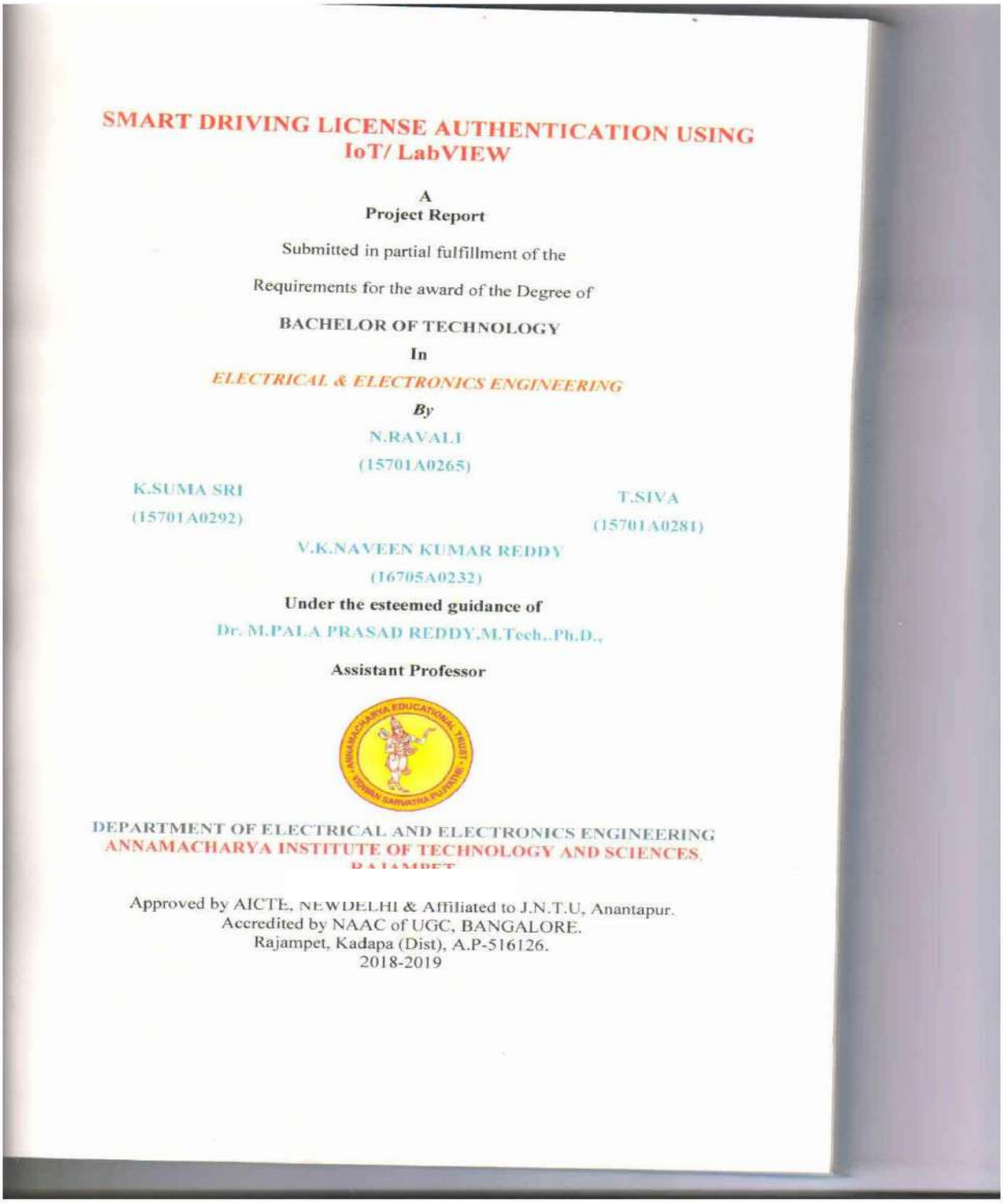

SMART DRIVING LICENSE AUTHENTICATION USING IoT/ LabVIEW

A
Project Report

Submitted in partial fulfillment of the

Requirements for the award of the Degree of

BACHELOR OF TECHNOLOGY

In

ELECTRICAL & ELECTRONICS ENGINEERING

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A COMPARISON OF CLOSED LOOP OPTIMAL 63 LEVEL NOVEL MULTILEVEL INVRTER FED IM DRIVE BY USING FUZZY LOGIC AND ANFIS CONTROLLERS

A
Project Report
Submitted in partial fulfillment of the
Requirements for the award of degree of

BACHELOR OF TECHNOLOGY
In
Electrical and Electronics Engineering

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CONCLUSION AND FUTURE SCOPE

In this project a prototype robot vehicle is developed and five sensors are fixed at various positions to sense the path travelled by robot. For sending the information from sensors to the computer based system Zigbee module and Arduino controllers are utilized. The original path on which driver has to drive the vehicle is primarily stored in the computer and actual path driven by the driver is received from the sensors and based on this information computer will generate a message that the license generated successfully or not. This system will bring the transparency into the driving license systems and also helpful to issue driving license to the peoples who is having good driving skills.

Future scope

Due to the limitations of cost and time this project is implemented on a proto type models. For testing purpose, a proto type driving track is utilised. This project may be implemented on real time driving track.

A COMPARISON OF CLOSED LOOP OPTIMAL 63 LEVEL NOVEL MULTILEVEL INVRTER FED IM DRIVE BY USING FUZZY LOGIC AND ANFIS CONTROLLERS

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7.CONCLUSION

The proposed ANFIS-based IFOC for an IM drive fed by FSTP inverter has been fectively implemented by a computer simulation. The dynamic speed response of the drive at low speeds is improved using the ANFIS which is designed with low mputation burden to be appropriate for real-time applications. The validity of the oposed ANFIS has been examined both in simulation at various speed reference cking and load torque disturbances, particularly at low speeds. To confirm the efficacy the proposed controller, a fair performance comparison of the proposed ANFIS-based drive with FLC has been presented. The robustness of the two controllers has been o examined under parameters variation, especially motor inertia, and stator and rotor sistances. Comparative simulation results demonstrate that the proposed ANFIS of a 63 vel MLI inverter fed IM drive is superior to the FLC under speed tracking, load sturbances, and parameters variation. The usefulness of the ANFIS has been verified by high dynamic speed response without overshoot and undershoot, and with zero steady-te error, and less THD of stator currents. This shows the good capability of ANFIS ntroller during speed tracking performance, disturbance rejection, and parameters riation. The proposed IM drive system is also suitable for cost-effective low power dustrial applications.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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This is to certify that the project report entitled **"Design and Control of Micro-grid Fed by Renewable Energy Generating Resources"** is submitted by Y.PRIYANKA, Roll Number 16701A0248 in partial fulfilment of the requirements for the award of Degree of **Bachelor of Technology** In **"Electrical and Electronics Engineering".** Is a record of bonafied work carried out by them during the academic year 2019 - 2020.

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A Project report on

"DESIGN AND CONTROL OF MICRO-GRID FED BY RENEWABLE ENERGY GENERATING SOURCES"

Submitted in partial fulfilment of the requirement
for the award of the degree of

Bachelor of Technology
In
Electrical and Electronics Engineering
By

NAME	ROLL NUMBER
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Accredited by NAAC with A Grade

2019 – 2020

CONCLUSION

The proposed micro-grid system fed from REGS has been found suitable for meeting load requirement of a remote isolated location comprising few households. REGS comprises of wind and solar energy blocks, which are designed to extract the maximum power from the renewable energy sources and at the same time, it provides quality power to the consumers. The system has been designed for complete automated operation. This work also presents the sizing of the major components. The performance of the system has been presented for change in input conditions for different type of load profiles.

Under all the conditions, the power quality at the load terminals, remains within acceptable limit. The effectiveness of the system is also presented with test results with prototype in the laboratory. The system has also envisaged the external battery charging by utilizing the rotor side converter and its sensors for achieving rectifier operation at unity power factor.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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DESIGN AND CONTROL OF MICROGRID FED BY RENEWABLE ENERGY GENERATING SOURCES

A
Project Report
Submitted in partial fulfillment of the
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BACHELOR OF TECHNOLOGY
In
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In partial fulfillment of the requirements for the award of degree of *Bachelor of Technology* in the **E.E.E.** during the year **2018-2019.**

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CONCLUSION

The proposed micro-grid system fed from REGS has been found suitable for meeting load requirement of a remote isolated location comprising few households. REGS comprises of wind and solar energy blocks, which are designed to extract the maximum power from the renewable energy sources and at the same time, it provides quality power to the consumers. The system has been designed for complete automated operation. This work also presents the sizing of the major components. The performance of the system has been presented for change in input conditions for different type of load profiles.

Under all the conditions, the power quality at the load terminals, remains within acceptable limit. The effectiveness of the system is also presented with test results with prototype in the laboratory. The system has also envisaged the external battery charging by utilizing the rotor side converter and its sensors for achieving rectifier operation at unity power factor.

A Project Report on

ANALYSIS OF THIN FILM COATING BY Ni-Cr IN ARC WELDING OF MILD STEEL

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

MECHANICAL ENGINEERING

By

V AMARNATHA REDDY	**15701A0304**
T ADINARAYANA REDDY	**15701A0301**
K.NAGALOKESH	**15701A0344**
B.AKHIL	**15701A0303**

Under the guidance of

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Submitted to

DEPARTMENT OF MECHANICAL ENGINEERING

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

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(Approved by AICTE, JNTUA, Ananthapuramu, Accredited by NBA, NAAC & IEI)

New Boyanapalli, Rajampet, Kadapa Dist., A.P - 516 126.

2018-19

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES
DEPARTMENT OF MECHANICAL ENGINEERING

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PROJECT GUIDE
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Dr. A.HEMANTHA KUMAR
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Internal Examiner

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Place: Rajampet
Date: 04/04/2019

ABSTRACT

Mild steel is an attractive option for structural components in industrial and mechanical applications due to its low cost and high availability factors. Low carbon alloys are easy to form good structures. Weldability is the major concern for joining the structural components where it leads to micro structural changes, variation in mechanical properties and more corrosion when compared to a base metal. An attempt is made to weld the base metal joining by using fusion welding processes such as Shielded Metal Arc Welding (SMAW) and applied metal coating on the welded joint to overcome the above said problems. Even though different coating materials are available, Ni-Cr is selected as coating material because of its good properties and having more elasticity. The coated weld specimen is tested for tensile strength on an universal testing machine by conducting tensile test. The tensile test results are analyzed and observed that there is an improvement in the tensile strength of the mild steel welded joints by Ni-Cr coating to a maximum thickness of 300microns on weld area when compared with non coated mild steel welded joints.

CHAPTER 6
CONCLUSION

The welded joint of mild steel plates is coated with Ni-Cr [60%, 20%] by plasma spray coating process. After coating process the workpiece is tested for tensile strength. Out of four specimens three specimens are coated with Ni-Cr mixture and one specimen is uncoated. The tensile strength of the coated specimen is slightly increased on comparing with the uncoated specimen with increasing coating thickness as 200, 250, 300 microns. But the thickness of coating cannot be increased beyond 300 microns (μm) as the coating may not adhered firmly to the work piece at higher coating thickness. The Tensile strength of uncoated specimen is 145MPa and tensile strength of the coated specimens is 147.5MPa, 162.5MPa, and 163.75MPa.for 200 μm, 250 μm, 300 μm respectively. Hence the strength of the welded joint is improved by coating with Ni-Cr mixture.

A Project Report on

"DEGRADATION BEHAVIOUR OF ZIRCONIUM OXIDE AND TRICALCIUM PHOSPHATE COATED MAGNESIUM ALLOY FOR ORTHOPAEDIC APPLICATIONS"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

by

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ABSTRACT

Materials play an important role in the development of product for many applications. Biomaterials is defined as any nonliving materials used in medical devices intended to interact systems.Biomaterials are the class of materials abundantly used as dental implants, orthopedic implants, tissue replacements, supports, replacement of joints in human body parts like HIP, Knee etc in biomedical field. Biomaterials are biocompatible which are having an appropriate response with the host for a specific application.Medical implants can improve the lives of patients and quite often it can bring patients to normal activity in personal and professional life. In a recent study in India, about seven crore people suffer from joint related problems, and this incidence is expected to raise.Further more, the worldwide sale of orthopedic implants in 2003 alone was $ 8.7 billion and projected to increase at an annual growth rate of 12.5%. In order to control the biodegradation of magnesium alloys, their surface is to be modified. The ZM21 alloy is coated with zirconium oxide and tricalcium phosphate by plasma spray coating technique.The degradation behaviour is studied by conducting corrosion test and electrochemical testing. A comparable is made by coated and uncoated material. There is a improvement is observed in the degradation of coated ZM21 alloy.Compared to uncoated and coated material.

CONCLUSION AND FUTURE SCOPE

In the present work ZM21 Mg alloy is coated with ZrO_2 and TCP particles by using plasma spray method. The corrosion test on coated samples and uncoated samples is performed by using electro chemical test. A comparison is made between the coated and uncoated Mg alloys. ZM21 Mg alloy coated with ZrO_2 and TCP particles exhibit good corrosion resistance comparing samples without ZrO_2 and TCP particles. The percentage of improvement in the corrosion resistance is about 72%.

Table 7.1 Comparison is made between the coated and uncoated Mg alloys:

Specimen	Ecorr (mV)	Icorr (μAcm2)	βa (mV/dec)	βb (mV/dec)	Corr. Rate (mmpy)
ZM21 Mg alloy	-1023.424	61.19	111.8	148.6	0.453
	-1015.457	72.015	111.0	96.5	0.311
ZrO_2 and TCPcoated Mgalloy	-1041.092	130.929	139.3	43.9	0.127
	-1030.73	306.956	235	131.8	0.119

FUTURE SCOPE

1. The work can be carried with different coating materials
2. The porosity and grain structural modifications may also be carried effective functioning under physiological conditions.
3. To observe the microstructure difference between coated sample and uncoated samples.
4. Medical and automotive applications

A Project Report on

"DEVELOPMENT OF 3-D PRINTED MESOPOROUS BIOACTIVE GLASS BONE SCAFFOLD"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

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ABSTRACT

Scaffolds are promising for treating bone defects in bone tissue engineering. Such scaffolds should be osteoconductive, degradable and bioactive, and should have a complex three-dimensional (3D) interconnected porous network and strong mechanical loading properties. The study showed that Sr-MBG scaffolds had uniform interconnected macropores and high porosity. The physicochemical and biological properties of Sr-MBG scaffolds were good in ion dissolution, apatite-forming ability and proliferation and extracellular matrix mineralization of osteoblast-like cells MC3T3-E1. We fabricated strontium-containing mesoporous bioactive glass (Sr-MBG) scaffolds with controlled architecture using a three-dimensional (3-D) printing technique of pneumatic extrusion. Morphological and Elemental compositions for the developed were analysed using SEM and ADEX techniques. Finally, we identified that, developed scaffolds has good morphological details as specified.

CHAPTER 5

CONCLUSION

This work investigated the feasibility of fabrication on human bone scaffolds with bio polymer by utilizing 3D printed machine this method would allow the process to incorporate heat to the polymer to extrude the material freely .Temperature that has been maintained for the extrusion of polymer is about 90^0C to develop the required shape with the developed machine 50mm/min feed rate was maintained for both X and Y axis. Layer thickness of the product is 85% for the 0.3mm inner diameter of nozzle. The infill percentage is about 50%. Finally we developed tailored bone scaffold successfully.

A Project Report on

"DEVELOPING A DECISION SUPPORT SYSTEM FOR OPTIMIZATION OF ELECTRO CHEMICAL MACHINING PROCESS"

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

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ABSTRACT

Electrochemical Machining (ECM) process, removal of metal by electrochemical dissolution, one of the contactless processes where the electrical energy is used to produce the chemical reaction. Due to huge demand in the complex profile machining in the industries, the ECM offers such as impressive advantages like machining of curved shapes, single tool to machine a large number of pieces, tool life is high etc., in machining of high strength temperature resistant alloys, cutting of curvilinear slots, production of long curved profiles, machining of gears and connecting rods. Such a kind of processes required number of input and outputs are to be considered together. The work uses decision-making techniques called Multi-objective Optimization based on the ration analysis (MOORA), in solving four illustrative examples. This method was compared with the Technique for order preference and similarity to ideal solution (TOPSIS) in terms of the flexibility and computation time. A MATLAB code was developed to solve the examples and considered as one of the decision support systems. This proves the application of MOORA in adaptability to the real world manufacturing system.

CHAPTER V

CONCLUSIONS

The application of MOORA method for decision making in the electrochemical process to select the optimal machining parameters for the four illustrative examples was evaluated. This method is simple and computational easy for the decision maker in the evaluation of the alternatives. The calculation time taken for the evaluation is also less compared to the TOPSIS method. With the developed MATLAB code the decision maker can easily select or interchange the process parameters with high flexibility. Development of graphic user interface for such kind of problems can be done in the future.

A Project Report on

"OPTIMIZATION ON CNC TURNING PROCESS PARAMETER THROUGH TAGUCHI METHOD ON ALUMINIUM 6063"

Submitted in partial completion of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

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ABSTRACT

This Studies discuss an investigation into the use of Taguchi Parameter Design methodology for Parametric Study of CNC turning operation for surface roughness as a response variable. The Taguchi parameter design method is an efficient experimental method in which a response variable can be study, using experimental runs than a factorial design method. The control parameters for this operation include speed, feed rate, and depth of cut. A entire of 09 experimental runs were conduct by means of an orthogonal array, and the model arrangement of convenient factor levels was determined for the surface roughness and signal-to-noise ratio. Taking major cutting parameters into consideration and using multiple regressions, numerical models relating to surface roughness (Ra) are recognized to investigate the influence of cutting parameters during turning. A affirmation run was used to confirm the results, which indicated that this method was both capable and effectual in determining the best turning parameters for the surface roughness. Affirmation test results established the fact that the numerical models are found to be effectively when representing the machining performance criteria.

CHAPTER-9

CONCLUSION

This examination existing a proficient technique for deciding the ideal turning task parameters for surface completion under shifting conditions using the Taguchi parameter configuration process. This procedure was connected utilizing a particular arrangement of control and commotion parameters, and a reaction variable of surface harshness. The utilization of the L9 (3) symmetrical cluster, with four control parameters enabled this investigation to be directed with an example of 27 work pieces. The examination found that the control factors effectually affected the reaction alterable, with feed rate and instrument nose range having the most noteworthy impacts. The sound elements, then again, were found to not have a factually recognizable impact. The investigation prompted the decision of a blend of levels for each control parameter, which were utilized to make an extra example of 10 work pieces. The amount of the work pieces in this affirmation run prompted the end that the chose parameter esteems from this procedure delivered a surface unevenness that was much lower than the other mix tried in this examination. Taguchi strategy has been extremely winning in planning great items and procedures of a wide range of fields. In it the plan skyline is expanded to trouble specialized and econonomical properties critical to the item. The arranged investigation on the impact of clamors in the early plan stage is better than regular methodology. The various blends of structure parameter settings can't effectively be constrained by human judgment, which results in time and cost wild however can without much of a stretch, be constrained by utilizing DOE system. The Taguchi strategies offer a technique for finding ideal, stable outcomes dependent on a predefined set of investigated limitation mix. Vigorous Design takes up the ideas of the Taguchi technique and offers a standard, homogenous methodology dependent on real and specialized learning. Plan of examination is required to acquire right answers on framework activities and association impacts, exceptionally when made on premise of partial factorial structures.

A Proposed Project Report on

OPTIMIZATION OF PROCESS PARAMETERS IN FSW OF ALUMINIUM 2618 BY REINFORCED OF CERAMICS

Submitted in partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

in

MECHANICAL ENGINEERING

By

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ABSTRACT

Friction Stir Welding (FSW) is a solid state joining process the frictional heat is generated between the wear-resistant tool and the work pieces this heat along with that generated by the mechanical mixing process and the adiabatic heat with in the material cause the stirred materials to soften without melting. As the tool is moved forward a special profile on the probe forces plasticized material from the leading force to the rear, where the high forces assist in a forged consolidation of the weld.

Friction Stir Welding creates high quality high strength joints with low distortion and is capable of fabricating either butt or lap joints in a wide range of material thickness. The solid state nature of FSW leads to several benefits over fusion welding methods as problems associated with cooling from the liquid phase are avoided. Issues such as porosity, solid redistribution, solidification cracking and liquation cracking do not rise during FSW. In general, FSW has been found to produce a low concentration of defects and is very tolerant of variations in parameters and materials.

In this study, Friction Stir Butt Welds made of similar materials namely Aluminium 2618 performed with various welding parameters. This study deals with the influence of process parameters on friction stir welded butt joint. FSWW parameters such as tool rotational speed, welding speed, tool tilt angle and addition of alumina and silicon carbide powders in percentages as reinforcements in groove prepared at weld portion are play a significant role in the assessment of mechanical properties that decide the weld quality. Experiment has been conducted in 9 joints for each weld plate of 6mm thick tested for its tensile test and hardness test. Using Taguchi influence of FSW process parameters were predicted.

LPC

CONCLUSION AND FUTURE SCOPE

6.1 Conclusion

- From the results obtained for 2618A it can be concluded that
  - The ultimate tensile strength is 128.809 MPa, determined at specimen weld no.3 gives nearer to base material strength is 115.50 MPa as compared to other specimen welds and its parameters are 700 rpm, 25 mm/min, 1 degree and 2618A(Al2O3+SiC)
  - By increasing the Tool Rotational Speed, the Tensile Strength increases effectively and the same result will be observed from Welding Speed but when weld speed increases the Tensile Strength is fluctuates.
  - The hardness of base material is 60.5 BHN is increased to 80.8 BHN at welded portion, determined at specimen weld no.5 and no.7 gives higher hardness as compared to other specimen welds and its parameters are 900rpm, 20 mm/min, 1 degree and 2618A(Al2O3+SiC) and 1100 rpm, 16 mm/min, 1 degree and 2618A(Al2O3+SiC) respectively.
  - By increasing the Tool Rotational Speed the Hardness decreases, but the Hardness increases when Welding Speed increases.

- From the Taguchi for 2618A
  - From the main effect plot graph shown in figure 6.1 obtained from Taguchi, good Tensile Strength can be obtained at these optimum parameters i.e., 700 rpm, 25 mm/min 1^0 and 2618A(Al2O3+SiC) which is most significant and applicable value among all input parameters.
  - From the main effect plot graph shown in figure 6.3 obtained from Taguchi, higher Hardness can be obtained at these optimum parameters i.e., 900 rpm, 16 mm/min and 1100 rpm, 20 mm/min, 1° and 2618A(Al2O3+SiC)and 2618A(Al2O3+SiC), which is most significant and applicable value among all other parameters.

6.2 Future Scope

- In the present work, tool Rotational speed, Traversing speed and Axial force are considered as main influencing parameters. Tool geometry, vibration and temperature effects can also be taken as influencing parameters.
- Effects of selected parameters on Fractography technique can be studied.

- Finite Element Analysis can also be conducted to predict the strength of the joint.
- The use of Immune algorithm, ABC algorithm and Fuzzy logics may have the ability to adapt the problem being solved.

A Project report on

"BLOOD VESSEL SEGMENTATION OF RETINAL IMAGES USING TYLER COYE ALGORITHM"

Submitted in the partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

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EXTERNAL EXAMINER

ABSTRACT

The detailed study of blood vessels structure in the fundus images of retina of eye is an indicator of many diseases like glaucoma, cataract and blindness etc., The accuracy of the image obtained by retinal blood vessel segmentation determines the efficiency of the retinal image analysis which is used in the diagnosis methods in the ophthalmology. Enhancing the contrast of an image is one of the vital steps in any of retinal blood vessel segmentation approaches that we are using. The dependency of the segmented image depends on the exactness of the contrast over the entire image. The proposed paper gives an assessment of the compatibility of a newly invented spatial adaptive contrast enhancement technique for enhancing fundus images of retina for the blood vessel segmentation. The proposed enhancement technique was combined with a special algorithm called Coye algorithm, which uses blood vessel reconstruction method based on improved hough line transformation. The obtained results conveys that the employed enhancement technique is amply suitable for the specified application in the medical field.

CONCLUSION AND FUTURE SCOPE

By observing the output images of the fundus images which are taken from the fundus cameara, we can clearly see that the output of the tyler coye algorithm performed better result . It clearly enhanced the output of the contrast limited adaptive histogram equalization method of segmenting the fundus images. This output of the proposed method is used for determining the type of pathology more accurately as the blood vessels are very clearly visible. Tyler Coye algorithm also reduced the computational power and time as the unwanted data (back ground) is excluded at the beginning of the processing. Future work is to provide quantitative method of analysing the various parameters like true positive rate, false positive rate, and accuracy

A

Project Report on

"NOVEL DESIGN OF LOW POWER HIGH SPEED HYBRID FULL ADDER BY USING XOR- XNOR GATES"

Submitted in partial fulfillment of the requirements for the award of degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

By

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K. ANJANEYULU	15701A0407
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Submitted to

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2018-19

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EXTERNAL EXAMINER

ABSTRACT

With the appearance of innovation scaling, the principle adage of planning the hardware gadgets as low power utilization. The use of the electronic gadgets expanded step by step. The general population wishes to purchase an electronic gadget like less weight and low power utilization. So getting ready of low power and less weight electronic gadgets turns into a noteworthy test to all the electronic creators. We propose a hybrid full adder comprises of low power utilization and postponement. adaptation 13.0. In these circuits for XOR/XNOR and synchronous XOR– XNOR capacities are proposed. The proposed circuits are exceptionally upgraded regarding the power utilization and delay. We additionally propose new hybrid 1-bit full-Adder (FA) circuits dependent on the novel full-swing XOR– XNOR or XOR/XNOR gates. Every one of the proposed circuits has its very own benefits regarding speed, power utilization, driving capacity, etc. To research the execution of the proposed circuits, T-Spice and Tanner EDA Tool of version 13.0 simulations are performed. The simulation results, in CMOS process technology model, demonstrate that the proposed circuits have high speed and power against other Full Adder structures. The proposed circuits are examined as far as varieties of the supply and threshold voltages, the size of transistors.

CHAPTER 7
CONCLUSION

In this, we initially assessed the XOR/XNOR and XOR– XNOR circuits. The assessment uncovered that utilizing the NOT gate on the critical path of a circuit is a disadvantage. Another disadvantage of a circuit is to have a positive feedback on the yields of the XOR– XNOR gates for repaying the output voltage level. The feedback circuits consume more power. At that point, we proposed new XOR/XNOR and XOR– XNOR gates that don't have the referenced detriments.

At long last, by utilizing the proposed XOR and XOR– XNOR gates, we offered FA cells for different applications. The proposed Full Adders are simulated and the Full Adders have good performance. Additionally, this cell has better speed and energy at all supply voltages going from 0.65 to 1.5 V when is contrasted and other FA cells.

A Project Report on

"SPATIAL AND SPECTRAL CLASSIFICATION OF HYPER-SPECTRAL IMAGE USING OPTIMIZATION ALGORITHM"

Submitted in the partial fulfillment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

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EXTERNAL EXAMINER

ABSTRACT

Remote Sensing has been globally used for knowledge elicitation of earth's surface and atmosphere. Land cover mapping, one of the widely used applications of remote sensing. Remote Sensing is the science of acquiring information about the earth's surface without actually being in contact with it. This is done by sensing and recording reflected or emitted energy and processing, analyzing, and applying that information. Remote sensing is very useful in the formulating and implementation of the spatial and temporal changes which are essential component of regional planning to ensure the sustainable development.

Land is the basic building block of human civilization. By nature, this precious gift cannot be expanded. To make best use of land and its natural resource, we need good factual knowledge of the land and its features. Accurate knowledge on land-use is very vital for planning and efficient operation. The satellite image is one of the sources which can capture the temporal nature of this knowledge for land utilization. A wide research area has been established in solving the problem of automatic image classification and Land cover mapping. Land cover mapping information can be used to audit land usage, in the context of city planning and land-usage. The processing of producing thematic map from remotely sensed imagery is called image classification. In one or more spectral bands digital numbers are used to represent to spectral information. This information is used for digital image classification. Individual pixels are classified using this spectral information. For classification multispectral satellite images are used .Image classification can be supervised and unsupervised. This project deals with unsupervised classification.

In this project a state of art optimization technique is proposed to classify the satellite images and the performance is measured and compared with the existing algorithms in terms of classification accuracy and kappa coefficient. This project will be implemented on MATLAB software .

CHAPTER-6

CONCLUSION

In this project, Satellite image classification done with sensitivity (PSO) and proposed method (PSO+SVM). This proposed method contains 3 Stages. First stage is pre-processing where the input image can be deposed and enhanced using median filter. Second stage the objectives are classified with the optimization. In third stage the features of classified image can be obtained statistically. From statistical values it is concluded that proposed method as better values than existing method.

In future some advanced pre-processing techniques and other optimization algorithms can be used to improve the classification accuracy.

A Project report on

"A RETINAL BLOOD VESSEL TRACKING BY USING GAUSSIAN PROCESSING AND RADON TRANSFORM"

Submitted in the partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

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EXTERNAL EXAMINER

A RETINAL BLOOD VESSEL TRACKINGBY USING GAUSSIAN PROCESSING AND RADON TRANSFORM

ABSTRACT:

The main objective of tracking and diameter estimation of retinal blood vessels can be important for diagnosis of several pathologies related to diabetes, cardiovascular disorders, and hypertension.The need of Extraction of blood vessels in retinal images is an important step for computer-aided diagnosis of ophthalmic pathologies.

We will propose an approach for blood vessel tracking and diameter estimation. In this we will estimate the analysis by using existing and proposed methods.The existing methods also discriminate in to two types those are Gaussian process and radon transform for better illustration.

The proposed method is divided into three main steps: Developing a probabilistic algorithm for tracking the centerline in a simple vessel which is the base algorithm, Generalizing the basic algorithm to detect bifurcations and extracting the whole vessel tree, Estimating the diameters of the vessel lumen through an approach similar to the basic algorithm.

The performance is evaluated based on classification of pixels into positive (vessel) and negative (background) groups. At the final stage of the tracking step, the centerline and diameter tracking results are used to construct a binary image, segmenting the vascular network from the background.

CHAPTER 7

CONCLUSION AND FUTURE SCOPE

Thinking about the flare-up of diabetes, its impact on retinal vessels and the expanding interest for occasional examination of retinal pictures, the programmed investigation of retinal pictures is a pertinent issue in the preparing of medicinal pictures. In this paper, we displayed another way to deal with following the middle lines of veins and their widths dependent on GP and Radon change. We expected that the ebb and flow and distance across of a solitary section of a vessel are GPs whose piece parameters are advanced by amplifying the information likelihood. The proposed strategy has been appeared to be strong to commotion and consequently fit for following slight structures and focal blood vessel reflexes where the nature of the flag drops extensively. This property is first because of nearby power mix used to figure the Radon changes. What's more, the middle line smoothness is authorized by spatial relationships of GP forecasts. Contrasted with different techniques, the outcome is an expanded dimension of particularity. The proposed technique estimates the vessel breadths legitimately and distinguishes the bifurcation focuses which might be valuable for further post - quantitative and compositional investigation. The technique proposed depends on turning around covariance frameworks and PC line integrals for radon changes, which can be computationally costly. The improvement of an instrument to make the calculation computationally increasingly effective is one conceivable intriguing exploration course.

A Project Report on

"PROTECTION OF CROPS FROM WEATHER CALAMITIES USING SATELLITE COMMUNICATION AND WIRELESS SENSOR NETWORK"

Submitted in the partial fulfilment of the requirement for the award of the degree of

BACHELOR OF TECHNOLOGY

In

ELECTRONICS & COMMUNICATION ENGINEERING

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EXTERNAL EXAMINER

PROTECTION OF CROPS FROM WEATHER CALAMITIES USING SATELLITE COMMUNICATION AND WIRELESS SENSOR NETWORK

ABSTRACT

Agriculture is a backbone of our country. About 70% of our country's revenue comes from agriculture. During heavy rain falls, the farmers face lot of problems because their cultivated crops get washed off or destroyed. So in order to avoid this problem this project is designed, which helps in protecting the crops from heavy rainfall and saving that rain water to use it for other purposes. To protect the crops, farmers deploy labour during day and night or if fields are small, farmers on their own protect the crops and also the farmers are take crops which is totally depends on the weather or natural conditions.The saved water can be used for feeding animals, washing, cooking etc. In this system an automatic roof is inculcated which works by taking the signals from the rain and soil moisture sensors and covers the whole field to protect it from heavy rains. In this system an automatic roof is inculcated which works by taking the signals from the rain and soil moisture sensors and covers the whole field to protect it from heavy rains. Whenever there is rainfall the rain sensor gets activated. GSM (Global System for Mobile communication) is a digital mobile network that is widely used by mobile phone users in Europe and other parts of the world. So that GSM is used to report the details about irrigation. The report from the GSM is send through the android mobile.

CHAPTER 5

CONCLUSION

In day to day life agriculture is one of the most important parts in every human's life. Many farmers are carried out on road and on field operations this will increase the time and man power. This paper is effectively used for the farmers for reducing the man power and accesses their crops in an efficient way. This might reduce the time and work ors that are used of the farmers. This is a less cost process that contains various sensors to sense various parameters and this can be used effectively by the farmers using their mobile phone. And this can be carried out using GSM protocol where it uses a normal hardware and software components.

In our project we have designed a model to help the farmers in rural zones.

- Our Remote Controller could be installed on existing pump sets for a nominal cost.
- Operating our Remote Controller does not require any special skills. It is as simple as sending a SMS or a missed call.
- The user can send a SMS message from anywhere in the world to operate this equipment. The security feature in the software will make sure that it works only with pre-assigned phone numbers.
- Implementation of Wireless Sensor Networks

5.1 ADVANTAGES

- Low power consumption and easy to install.
- Field protection against storms, floods etc
- Safety against rains and Excess Solar Energy
- Increase in Yield
- Wastage of water can be reduced.
- By automatic control of DC motor, we can reduce power consumption.
- Easy of operation

5.2 APPLICATIONS

It can be applied in the following areas,

- Gardens
- Farms
- Agriculture

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Secure secret word stockpiling is an indispensable viewpoint in frameworks dependent on secret key verification, which is as yet the most generally utilized validation strategy, regardless of its some security flaws. In this paper, we propose a secret phrase validation structure that is intended for secure secret phrase stockpiling and could be effectively incorporated into existing confirmation frameworks. In our system, first, the got plain secret phrase from a customer is waded through a cryptographic hash work (e.g., SHA-256). Then,the hashed password is converted into a negative password. At long last, the negative secret word is scrambled into an Encrypted Negative Password (shortened as ENP) utilizing a symmetric-key calculation (e.g., AES), and multi-cycle encryption could be utilized to additionally improve security. The cryptographic hash work and symmetric encryption make it difficult to split passwords from ENPs. Besides, there are bunches of relating ENPs for a given plain secret word, which makes precomputation assaults (e.g., query table assault and rainbow table assault) infeasible. The calculation intricacy investigations and correlations demonstrate that the ENP could oppose query table assault and give more grounded secret key insurance under wordreference assault. It merits referencing that the ENP does not present additional components (e.g., salt); other than this, the ENP could at present oppose precomputation assaults. In particular, the ENP is the first secret phrase insurance plot that consolidates the cryptographic hash work, the negative secret phrase and the symmetric-key calculation, without the requirement for extra data aside from the plain secret word.

12. CONCLUSION

In this system, the passages in the verification information table are ENPs. At last, we dissected and thought about the assault multifaceted nature of hashed secret word , salted secret phrase , key extending and the ENP. The outcomes demonstrates that the ENP could oppose query table assault and give more grounded secret word insurance under lexicon assault. It merits referencing that the ENP does not require additional components while opposing query table assault.

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This is to certify that the project work entitled

"A LIGHTWEIGHT AUDITING SERVICE FOR SHARED DATA WITH SECURE USER REVOCATION IN CLOUD STORAGE"

is the project work submitted by

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

A cloud platform gives consumers access to shared data storage. Validating data efficiently is required to ensure shared data integrity. The integrity of shared data is verified using an audit technique that allows group members to edit data, although this technique results in complex calculations for the group members. The designated agent's audit methodology uses a lightweight calculation for group members, but it ignores the security vulnerabilities that exist between group members and agents. A lightweight secure auditing technique for shared data in cloud storage (LSSA) is suggested using Hashgraph technology and a Third Party Medium (TPM) management method, which results in group security management as well as a lightweight calculation for group members. Meanwhile, to improve agent security, a virtual TPM pool is created by combining Transmission Control Protocol (TCP) sliding window technology and interconnected functions. We test our scheme using numerical analysis and experiments, and the results show that it achieves lightweight computing for group members while also ensuring data verification for security.

9. CONCLUSION

In this project, we proposed a provable shared data possession for a lightweight and security audit process in cloud storage. By introducing a Hashgraph, the traceability of group membership is achieved, and the illegal behaviours of group members can be contained through Hashgraph technology. By specifying multiple TPMs for calculation and management according to the TPM management strategy, each group member and each TPM are independent of one another, which ensure that the cloud data verification process is secure and achieves a lightweight calculation of the TPM. Through a security analysis, the scheme in this paper can avoid replay attacks and replace attacks while protecting the identity privacy and data privacy of group members and ensuring secure storage of the shared data. Therefore, this scheme has important significance and value for the secure storage of shared data.

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"SECURABLE AND TRUSTABLE ROUTING IN WIRELESS SENSOR NETWORKS"

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INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Wireless sensor networks (WSNs) are increasingly being deployed in security-critical applications. Because of their inherent resource-constrained characteristics, they are prone to various security attacks, and a black hole attack is a type of attack that seriously affects data collection. To conquer that challenge, an active detection-based security and trust routing scheme named ActiveTrust is proposed for WSNs. The most important innovation of ActiveTrust is that it avoids black holes through the active creation of a number of detection routes to quickly detect and obtain nodal trust and thus improve the data route security. More importantly, the generation and distribution of detection routes are given in the ActiveTrust scheme, which can fully use the energy in non-hotspots to create as many detection routes as needed to achieve the desired security and energy efficiency. Both comprehensive theoretical analysis and experimental results indicate that the performance of the ActiveTrust scheme is better than that of previous studies. ActiveTrust can significantly improve the data route success probability and ability against black hole attacks and can optimize network lifetime.

10. CONCLUSION

MANETs are wireless based networks of mobile nodes with limited resources like computation power, communication range and storage capabilities, shared channel, usually for economical reasons. There is no centralized authority to monitor the nodes and nodes can join and leave the network any time. So if any malicious node joins the network then it is very difficult to trace that node. So it is necessary to detect and isolate that node from entire network for smooth operations. To secure the communication over MANETs there must be a method which can ensure the detection and prevention from the attacks like Black Hole. Mobile ad hoc network resources suffer from this attack. This research work analyzes the impact of black hole attack over MANET and proposed a method which is able to handle black hole attack over DSR.

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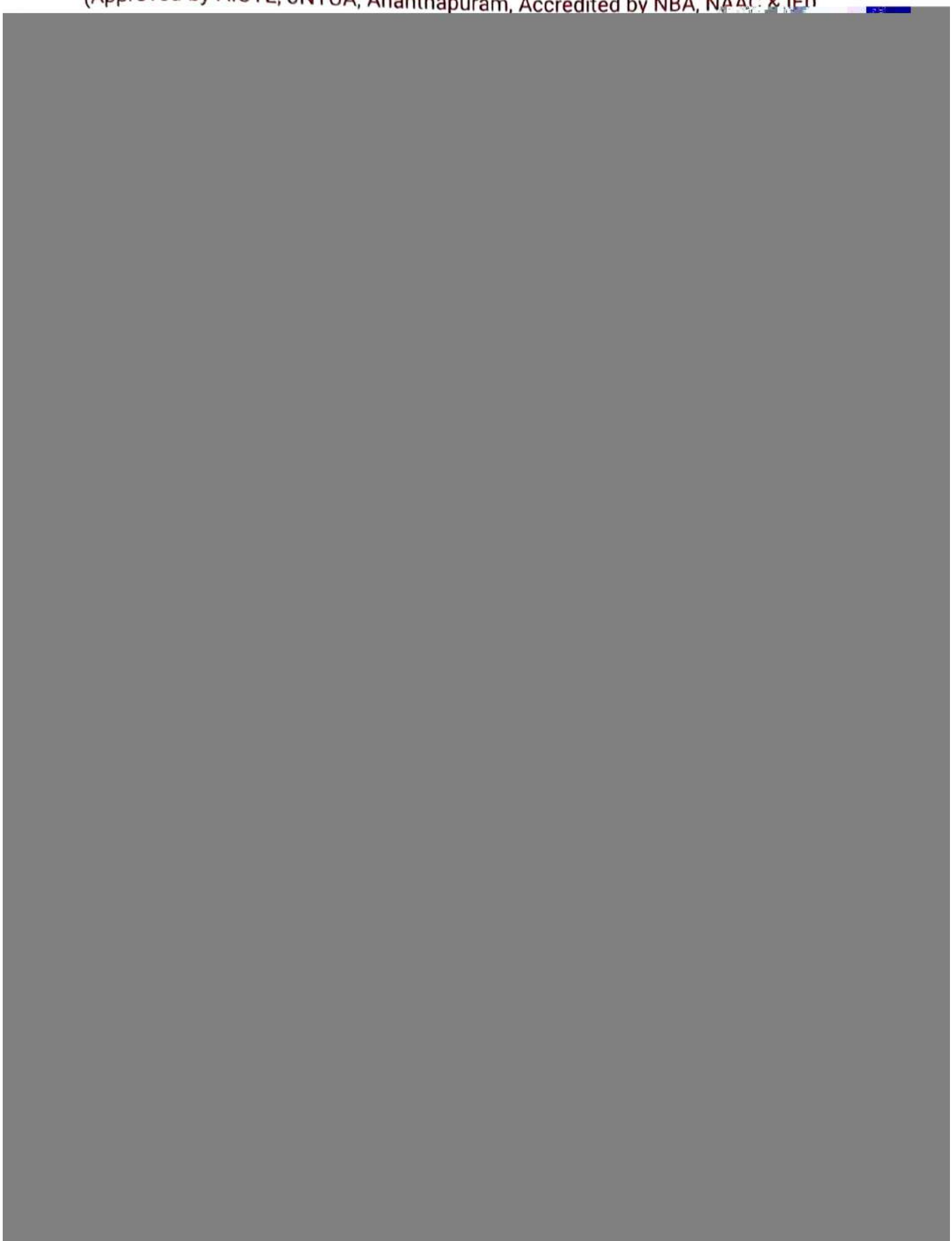

ABSTRACT

In the current high-performance computers or high-end servers, Dragonfly networks were widely used. Fault-tolerant routing is important in the dragonfly net rich interconnections offer the network strong capacity to withstand fault routers in a group and groups in the dragonfly network into two different h introduces a modern deadlock free adaptive routing method focused on two-layer protection knowledge model. The new fault-tolerant routing allows for static and dynamic errors. Our system will evaluate whether a enter the destination at the source using the new security information which prevents dead-ends and without goals

9.7 CONCLUSION:

A new deadlock-free adaptive routing algorithm in dragonfly networks based on a modern two-layer protection knowledge model is suggested by mapping routers in a community and groups of dragonfly networks into two different hyper cubes The current fault-tolerant routing algorithm does not need any virtual channels, just two distinct buffers at each port of entry The new approach is tolerable.

9.8 FUTURE EXPERIENCE:

It is achieved by reconfiguring the details about the protection. More specifics are described below. If a regional connection is defective because it's a hypercube connection, the group-level hypercube protection details must be changed.

After a finite amount of loops, which is linked directly to the destination community, each packet will still advance to the router after entering the intermediate community since the connection is defect-free.

We suggest an improved adaptive fault-tolerant routing method focused on the current model for protection details and a new framework for flow management.

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(AUTONOMOUS)

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(Accredited by NBA & NAAC)

RAJAMPET-516126, KADAPADt.,A.P.

DEPARTMENT OF C[redacted]

ABSTRACT

Wireless sensor networks (WSNs) are increasingly [redacted]

10. CONCLUSION

MANETs are wireless based networks of mobile nodes with limited resources

ABSTRACT

Secure secret word stockpiling is an indispensable viewpoint in frameworks dependent on secret key verification, which is as yet the most generally utilized validation strategy

Authentication Using Encrypted Negative Password

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RAJAMPET-516126,KADAPA Dt. ,A.P.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

"This is to certify that the project work entitled""ACCIDENT DETECTION AND REPORTING SYSTEM USING GPS AND GSM TECHNOLOGY"is the project work submitted by

NAME	ROLL NO
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P.V.S.N DEEPAK	15701A0516
N.MANASA	15701A0541
Y.MADHUSUDHAN REDDY	15701A0540
G.BHARATHI	14701A0510

During the academic year 2018-2019 in partial fulfilment of requirements for the award of BACHELOR OF TECHNOLOGY in "COMPUTER SCIENCE AND ENGINEERING" to Jawaharlal Technological University Anantapur

ABSTRACT

This project saves Human lives from a driving pattern by detecting an driving pattern before it occurs or in case it happens. But this need advance accurate human detection and also accident detection capability. Vehicle will [redacted]

CHAPTER-11

CONCLUSION :

We propose an intelligent vehicle system for accident prevention and making the world a much better and safe place to live. Passive Infra-red sensor is a reliable solution for detecting human or animals and this technique certainly can save lots of life. Pre-crash detection system must be equipped with combination of different sensors.Identifying people or creatures including impediments will unquestionably give us a superior answer for lessen the passing of people in street crash. We ceaselessly filter for different parameters of vehicle, for example, motor temperature, speed, Gas, eye squint and liquor sensors. On the off chance that the driver is found to have liquor in the breath, it cautions and after that turns the bell is worked and thus plausibility of mishap is maintained a strategic distance from. The reduced plan and proficient following calculation make the vehicle following framework an exceedingly solid GPS beacon particularly in clogged street systems. Joining the direction of the guide coordinated street fragments with the vehicle bearing incredibly expands the exactness of deciding the careful street portion on which the vehicle ventures. The expansion of start control, mishap caution and GUI increment explorer and vehicle security by giving brief data about the vehicle's area to the observing framework which Journal of Traffic and Logistics Engineering Journal of Traffic and Logistics Engineering 11 gives visuals of precise at various times areas of the vehicle.

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(AUTONOMOUS)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

"This is to certify that the project work entitled"

"ONLINE EXAM FEE PAYMENT SYSTEM"

is the project work submitted by

NAME	ROLL NO
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P.M.NIKHIL	15701A0554

During the academic year 2018-2019 in partial fulfilment of requirements for the award of **BACHELOR OF TECHNOLOGY** in "COMPUTER SCIENCE AND ENGINEERING" to Jawaharlal Technological University ,Anantapur is a bonafide work carried out by them under my guidance and supervision. The results embodied in the project report have not been submitted to any other university or institute for the award of any Degree.

PROJECT GUIDE:

Mr.K.UDAY KUMAR REDDY, **M.Tech.,(Ph.D).**

Assistant professor

Department of CSE

HEAD OF THE DEPARTMENT:

Dr. M.RUDRA KUMAR, **M.Tech., Ph.D.**

Head of the Department

Department of CSE

INTERNAL EXAMINER

EXTERNAL EXAMINER

ABSTRACT

Institutions have a more number of students who pay examination fees through cash deposits, accounts in specific bank branches. These methods of paying fees have not been efficient enough especially during periods of examinations when most of the students are paying fees to meet the requirements for entering examination rooms.

The process of paying fees is characterized by long queues, too much waiting by students and congestion at fee collection center where payments are made. It showed that most of the students were unsatisfied with the current modes of paying fees to the institutions.

As the world is digitalized to overcome the problem of above situation the proposed system is to develop online fee payment system. To accomplish system analysis and design Data flow diagrams and Entity relationship diagrams were used.

The system was implemented using Apache web server, Mysql database server, Hypertext Preprocessor, Hypertext markup language, Cascading style sheets and JavaScript institution and agrees that an online fees payment system can improve the process of fee payment. The result of the project was an online fees payment system for institution. This system provides relief of the long endured problems of the current modes of payment at the institution.

It is mainly used for the students who are not available in the college to pay their regular and supplementary fees by logging with their hallticket numbers in the portal.

7. CONCLUSION

The undertaking looked to build up an online expenses instalment framework that gives help of the long suffered issues of the present methods of paying charges in Universities. Issues that understudies and their patrons confronted with respect to paying test expenses to the college were distinguished and an answer was structured. Scientists built up an online framework that empowers understudies and their patrons to pay college charges from wherever they are utilizing credit and platinum cards.

This framework was invited by the entirety of its clients who trusted it would take care of a large portion of the issues and improve conditions in regards to paying test expenses in University. The venture accomplished every one of its destinations and accordingly, MUK-OFPS was structured, created, tried and approved with genuine clients. Henceforth, it was demonstrated that this online framework was fit to be executed.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES RAJAMPET
(An Autonomous Institution)

Title of the Course COMPREHENSIVE PROJECT WORK
Category PROJECT
Course Code 7P1A045

Year II MBA
Semester IV Semester
Branch MBA

Lecture Hours	Tutorial Hours	Practice Hours	Credits
0	0	0	6

Course Objectives:

- To make the students familiar to apply the knowledge gained from the theoretical subjects in the entire course.

Students are required to take up a project work, in which the student can choose any specific problem of industry or industry-based project work. Alternatively, it can be secondary source based or field-based project work. Before the commencement of the project work, each student is required to submit a synopsis indicating the objectives, methodology and frame work for analysis. The project should have an internal faculty has guide. The student can initiate the project work in the penultimate semester of the course

Course Outcomes:

At the end of the course, the student will be able to	Blooms Level of Learning
apply the various concepts in real time scenarios	L3

CO-PO Mapping:

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8
7P1A45	3	2	2	2	3	3	2	2

PROGRAM OUTCOMES:

1. **Management Knowledge:** Apply knowledge of Management Theories and Practices to solve Business Problems.
2. **Critical Thinking:** Foster Analytical and Critical thinking abilities for Data – based decision making.
3. **Value Based Leadership:**Ability to develop value-based Leadership.
4. **Communication and Ethics:** Ability to understand, analyse and communicate global, economic, legal, and ethical aspects of business.
5. **Multidisciplinary Environment:** Ability to lead themselves and others in the achievement of organisational goals, contributing effectively to a team environment.
6. **Entrepreneurship:** Ability to evaluate best entrepreneurial opportunities and manage start-ups in the present Business world.
7. **Social Responsiveness:** Apply ethical principles and understand the impact of the Professional management solutions in societal and environmental contexts.
8. **Life Long Learning:** Ability to engage in independent and life long learning in the context of managing unpredictable Societal and Global issues.

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(Institute Accredited by NAAC, Bangalore) (Institute Accredited by IE (I), Kolkata)

LIST OF PROJECT TITLES FOR THE ACADEMIC YEAR 2018-19			
S.NO	**Hall ticket No**	**Name of the Student**	**Name of the Title**
1	17701E0001	RAHAMAN ABDUR S	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO AMARAJA BATTERIES PVT LIMITED, TIRUPATI
2	17701E0002	AMARENDRANATHA REDDY B G	A STUDY ON FINANCIAL PERFORMANCE WITH REFERENCE TO ANANTHA PVC PIPES, ANANTAPUR
3	17701E0003	ANKI REDDY CHENNURI	A STUDY ON GROWTH AND DEVELOPMENT OF FINANCIAL DERIVATIVES IN INDIA WITH EFERENCE TO INDIA INFO LINE LTD, TIRUPATI
4	17701E0006	BHUVANESWARI MANDLA	A STUDY ON PERFORMANCE OF MUTUAL FUNDS WITH REFERENCE TO INDIA INFO LINE LTD, TIRUPATI
5	17701E0007	CHANDRA SEKHAR THUMMISETTY	A STUDY ON RATIO ANALYSIS WITH REFERENCE TO BHARATHI CEMENT CORPORATION PVT LTD, YERRAGUNTLA
6	17701E0008	CHANDRASEKHAR REDDY MALLIREDDY	A STUDY ON FUNDS FLOW ANALYSIS WITH REFERENCE TO AMARAJA BATTERIES LTD
7	17701E0009	DAMODAR REDDY VELAKACHARLA	A STUDY ON CUSTOMER SATISFACTION TOWARDS AMARA RAJA BATTERIES PVT LTD, RENIGUNTA
8	17701E0010	DEERAJ SAI CHARAN REDDY SAMALA	A STUDY ON CONSUMER BEHAVIOUR WITH REFERENCE TO YAMAHA BIKES SHOWROOM
9	17701E0011	GAYATHRI PABBATHI	A STUDY ON HERZBERG'S MOTIVATION - HYGIENE THEORY AND JOB SATIDFACTION: THE MEDIATING THE EFFECT OF LOVE AND MONEY WITH REFERENCE TO ZUARI CEMENT PVT LTD
10	17701E0012	GOPAL REDDY BOVILLA	A STUDY ON THE EFFECT OF RETAIL STORE IMAGE DIMENSIONS ON CONSUMER'S PURCHASE INTENTION WITH SPECIAL PREFERENCE TO BIG BAZAR AT TIRUPATI
11	17701E0014	HEMA SUNDARA REDDY MUNAGALA	A STUDY ON CONSUMER BUYING BEHAVIOUR WITH REFERENCE TO GROMOR FERTILIZERS PVT LIMITED, NANDYALA
12	17701E0015	IBRAHIM SHAIK	A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO CHAITANYA CHEMICALS, KADAPA
13	17701E0016	JAGADISH GAJULA	A STUDY ON LIQUIDITY AND PROFITYABILITY AT CHAITANYA CHEMICALS PVT LTD ANDHRA PRADESH
14	17701E0017	JAIPAL REDDY CHAKKIRAPPA GARI	A STUDY ON WORKING CAPITAL MANAGEMENT WITH REFERENCE TO AMARAJA BATTERIES PVT LIMITED, TIRUPATI
15	17701E0018	JAIPAL REDDY KETHIREDDY	A STUDY ON INVESTMENT ANALYSIS WITH REFERENCE TO SRI KALAHASTI PIPES LTD
16	17701E0019	JAYA SREE CHIMBILI	A STUDY ON TRAINING AND DEVELOPMENT AT BHARATHI CEMENT CORPORATION PVT LTD
17	17701E0020	JYOTHI MARRELLA	A STUDY ON RECRUITMENT AND SELECTION PROCESS AT BHARATHI CEMENT CORPORATION PVT LTD, KAMALAPURAM
18	17701E0021	KARTHIK NARIPOGU	A STUDY ON FUNDS FLOW STATEMENT WITH REFERENCE TO BHARATHI CEMENT CORPORATION PVT LTD
19	17701E0022	KIRAN KUMAR BALIJA	A STUDY ON WORKING CAPITAL MANAGEMENT AND ITS IMPACT ON THE LIQUIDITY AND PROFIOTABILITY MANAGEMENT WITH REFERENCE TO CHAITANYA CHEMICALS, KADAPA
20	17701E0023	KRISHNA MOHAN YAGALA	A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO AMARA RAJA BATTERIES PVT LTD, RENIGUNTA
21	17701E0024	KULLAYAPPA BONALA	A STUDY ON VALUE ADDED SERVICES WITH REFERENCE TO RELIANCE COMMUNICATIONS LIMITED KADAPA
22	17701E0025	LOHITHKUMAR NALLAGATLA	A STUDY ON PROMOTIONAL STRATEGIES WITH REFERENCE TO FINO BANK PVT LIMITED, VIJAYAWADA
23	17701E0027	MANJU NARASIMHA	A STUDEY N CUSTOMER TYPOLOGY ON ORGANIC FOODS WITH REFERENCE TO

		REDDY CHINTA	BIG BAZAR, TIRUPATHI
24	16701E0028	RIZWANA BEGUM S	A STUDY ON IMPACT OF TRAINING AND DEVELOPMENT ON ORGANISATIONAL PERFORMNACE IN ZUARI CEMENT LTD
25	17701E0028	MANOJ KUMAR P	A STUDY ON FUND FLOW STATEMENT WITH REFERENCE TO ANATA PVC PIPES PVT LTD, ANATAPUR
26	17701E0029	MOUNICA BADVEL	A STUDY ON EMPLOYEE MOTIVATION WITH BARATHI CEMENT, YERRAGUNTLA
27	17701E0030	MOUNIKA CHERVU BELAGAL	A STUDY ON CUSTOMER PERCEPTION OF DIGITAL PAYMENTS WITH REFERENCE TO FINO PAYMENTS BANK, VIJAYAWADA
28	17701E0031	MURALIMOHAN BASINENI	A COMPARATIVE STUDY OF RISK-RETURN ANALYSIS WITH REFERENCE TO SELECTED COMPANIES FROM VGAINT ENTERPRISES LIMITED, TIRUPATHI
29	17701E0032	NAGA JYOTHI SAMALA	A STUDY ON RISK AND RETURN ANALYSIS OF SELECTED CEMENT SECURITIES
30	17701E0033	NAGABHUSHANAM SIDDAPPAGARI	A STUDY ON CAPTIAL BUDGETTING WITH REFERENCE TO ANANTHA PVC PIPES PVT. LTD.
31	17701E0034	NARESH KUMAR REDDY ARIKA	A STUDY ON CUSTOMER PERCEPTION WITH REFERENCE TO BHARATI CEMENT, YERRAGUNTLA
32	17701E0035	OMSEKHAR MANDALA	A STUDY ON CUSTOMER LOYALTY WITH REFERENCE TO BHARATI AITEL PVT LTD TIRUPATI
33	17701E0036	PADMAJA KOTRA	A STUDY ON PERFORMANCE AND COMPARISION SELECTED MUTUAL FUNDS WITH REFERENCE TO ICICI PRUDENTIAL LTD, RAICHUR
34	17701E0038	PRASANTHI PIDIKITI	A STUDY ON WORKING CAPITAL AMANAGEMNT WITH REFERENCE TO SRI KALAHASTI PIPES LTD, SRI KALAHASTI
35	17701E0039	PRAVEEN KUMAR M	A STUDY ON BRAND IMAGE OF MILK PRODUCTS WITH REFERENCE TO HERITAGE PVT LIMITED, HYDERBAD
36	17701E0040	SHAIK RAHAMATHULLA	A STUDY ON WORKING CPITAL MANAGEMENT IN BATTERIES PVT LTD, AMARA RAJA
37	17701E0042	RAMPRASAD REDDY SEETHA	A STUDY ON BRAND LOYALTY TOWARDS BHARATI AIRTEL IN TIRUPATHI
38	17701E0043	SHAFIULLA SHAIK	A STUDY ON CUSTOMER SATISFACTION WIOTH REFERENCE TO SAGAR HONDA, TIRUPATHI
39	17701E0044	SIVA PANJAGALA	A STUDY ON FUNDS FLOW STATEMENT WITH REFERENCE TO CHAITANYA CHEMICALS PVT LTD, KADAPA
40	17701E0045	SIVAJI VATTIKUNTA	A STUDY ON CONSUMER ATTITUDE TOWARDS ONLINE SHOPPING WITH REFEREENCE TO SHUKLA IT SOLUTIONS, TIRUPATI
41	17701E0046	SREEKANTH REDDY KAKARLA	A STUDY ON CASH FLOW ANALYSIS WITH REFERENCE TO BHARATI CEMENT CORPORATION PVT LTD, YERRAGUNTLA
42	17701E0047	SREERAMI REDDY E	A STUDY ON BRAND LOYALTY WITH REFERENCE TO HERITAGE FOODS PVT LIMITED, TIRUPATI
43	17701E0048	SRINIVASULA REDDY RAMIREDDY	A STUDY ON INVENTORY MANAGEMENT AND FIRM PERFORMANCE WITH REFERENCE TO APMDC LTD, MANGAMPET
44	17701E0049	SUBRAMANYA SHARMA IRIVINTI	A STUDY ON PERCEPTION AND SWITCH INTENTION AMONG RURAL CUSTOMERS TOWARDS ORGANISED RETAIL WITH REFERENCE TO NANDI SUPER MARKET, NANDYAL
45	17701E0050	SUDHARSANA REDDY SUNKANNAGARI	A STUDY ON BRAND IMAGE WITH REFERENCE TO HERITAGE FOODS LTD
46	17701E0051	SUDHARSHAN RAJU KONETI	A STUDY ON FUNDS FLOW ANALYSIS WITH REFERENCE TO BHARATHI CEMENT PVT. LTD.
47	17701E0052	SUMANTH KESHALAGARI	A STUDY ON CAPITAL STRUCTURE WITH REFERENCE TO BHARATHI CEMENT CORPORATION PVT LTD, YERRAGUNTLA
48	17701E0053	SURENDRA SUNKU	A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO OM SAI CARS, KADAPA TATA MOTORS

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49	17701E0054	SURESH DHANNASI	A STUDY ON LEVERAGE ANALYSIS AND PROFITABLILITY WITH RERERENCE TO AMARAJA BATTERIES PVT. LTD. TIRUPATHI
50	17701E0055	SWAPNALATHA PASALA	A STUDY ON EMPLOYEE JOB SATISFACTION WITH REFERENCE TO DALMIA CEMENT PVT LTD
51	17701E0056	SWETHA MUKKAMALLA	A STUDY ON VLEVERAGE ANALYSIS WITH SUJALA PIPES, NANDYALA
52	17701E0057	USHASREE GUNALA	A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO NESTLE, NANDYALA
53	17701E0058	VAMSIKRISHNAREDDY RAMIREDDY	A STUDY ON GRIEVANCE HANDLING MECHANISM WITH REFEREENCE TO VIJAYA DIARY, NELLORE
54	17701E0059	VEDAMANI VARRA	A STUDY ON FUNDS FLOW MANAGEMENT WITH REFERENCE TO BHARATHI CEMENT CORPORATION PRIVATE LTD
55	17701E0060	VENKAT REDDY MUDALAPURAM	A STUDY ON WORKING CAPITAL & PROFIT ABILITY WITH RERERENCE TO AMARARAJA BATTERIES PVT. LTD. TIRUPATHI
56	17701E0061	VENKATA RAMESH KALLURU	A STUDY ON RATIO ANALYSIS WITH REFERENCES TO CHAITHANY CHEMICALS PVT. LTD. KADAPA
57	17701E0062	VIHARIKA MAMIDISETTY	A STUDY ON THE EFFECTS OF PERFORMACNE APPRAISAL SYSTEM ON EMPLOYEE PERFORMANCE WITH REFERENCE BHARATHI CEMENT CORPORATION PVT LTD
58	17701E0063	VILOK GANACHARI	A STUDY ON MOBILE NUMBER PORTABILITY WITH REFERENCE TO AIRTEL PVT LIMITED, NANDYAL

Head of the Departmen
Master of Business Administration
Annamacharya Institute of Technology
New Boyanapalli, Rajampet - 516 126

A STUDY ON

RECRUITMENT AND SELECTION PROCESS

With reference to

Bharathi Cement Corporation Private Limited

Project report submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

In partial fulfillment of the requirement for the award of the degree of

Submitted by

M. JYOTHI, 17701E0020

Under the guidance of

Mrs. V.MOUNESWARI, MBA

Assistant Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126

2017-2019

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126

CERTIFICATE

This is to certify that the project work entitled **"A STUDY ON RECRUITMENT AND SELECTION WITH REFERENCE TO BHARATHI CEMENT CORPORATION PRIVATE LIMITED"** is submitted by **M. JYOTHI REG.NO:17701E0020** is a bonafide student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS), RAJAMPET,** for the award of **Master of Business Administration,** to **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS), RAJAMPET,** is a record of independent project work under taken by ~~him~~ her under my supervision and guidance.

Head of the Department

Dr.P.KrishnaMoorthy, Ph.D,MBA,M.A,BEd.,PGDRD
Professor and Head of the department

Master of Business Administration
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet - 516 126

17/04/2019

Project Guide

Mrs. V. Mouneswari, MBA
Assistant professor

External Examiner

1. INTRODUCTION

1.1: BACKGROUND OF THE STUDY:

Recruitment and selection policies in local authorities can be traced back to the 1970s when councils were recruiting staff from the U K .The term recruitment refers to the process of attracting sufficient and suitable potential candidates for the vacant positions in the organization. The aim is to ensure that the organization's demand for employees is met by attracting peoples in a cost- effective manner. Selection on the other hand, is the process of identifying the most suitable candidates that meet the requirements for the vacant positions in the organization. The aim is to identify, individuals that are most likely to fulfill the requirements of the organization.

In 1970, the ministry of the local government and housing directed local authorities to stop recruiting expatriate staff from abroad. Local authorities were required to submit to the ministry of local government and housing the number of the vacant positions they wanted the centralized panel to fill. Local authorities were also required to prove detailed information about the vacancies to the panel. In 1971, the ministry of local government and housing changed the system of recruiting expatriate staff. The 1971-1973 centralized panels did not provide a solution to the staff shortages in local authorities. The reasons that the ministry of local government and housing gave for establishing the centralized recruitment panel were largely economical.

The local Government Services Regulation Act Number 191 of 1975 established Local Government Service Commission which was the sole authority performing personnel functions for all councils in the country. The objective behind establishing such a body was to create a unified and centralized recruitment system and standardized conditions of service. It was hoped that the commission would recruit enough personnel for all councils in the country. However, staff shortage continued in local authorities.

In 1991, the Local Government Act No.22 was enacted which provided for a separate local government personnel system. Each local authority was responsible for all personnel matters relating to recruitment, remuneration, discipline and separation. However, in 2010 the Local Government Service Commission (LGSC) was re-established under statutory instrument number 6 of 2010 and took responsibility of all personnel matters. It is responsible for, among other

CONCLUSIONS:

In the company the employees are recruited on the basis of their knowledge, skills and abilities. The company provided good atmosphere to employees where they can work comfortably. The company provides the good salary & incentives to employees to retain them in the organization. The recruitment process is knowledgeable experience in Bharathi Cement Corporation Pvt.Ltd and the selection process is also admirable and efficient.

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A

STUDY ON LEVERAGE AND PROFITABILITY ANALYSIS WITH REFERENCE AMARARAJA BATTERIES LTD, RENIGUNTA, TIRUPATI.

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfilment of the

requirements for the award of degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

D. SURESH

(Regd. No: 17701E0054)

Under the Guidance of

Mrs V. BHAGYAMMA, MBA (Ph.D.)

Assistant Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET-516126 (A.P)

(2017 – 2019)

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLE, RAJAMPET-516126

(2017-2019)

CERTIFICATE

This is to certify that the project report entitled **"A STUDY ON LEVERAGE AND PROFITABILITY ANALYSIS"** with reference to **"AMARARAJA BATTERIES LTD, RENIGUNTA, TIRUPATI"** is submitted by **D. SURESH (17701E0054)** is a bonafied student of **ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES (AUTONOMOUS), RAJAMPET** for the award of **MASTER OF BUSINESS ADMINISTRATION,** is a record of independent project work under taken by him, under my supervision and guidance.

Head Of The Department

Dr. P. KRISHNA MOORTHY MBA, Ph. D

Professor

Head of the Department
Master of Business Administration
Annamacharya Institute of Technology & Science
New Bovanapalli, Rajampet - 516 126

20/4/19

Project Guide

Mrs. V BHAGYAMMA, MBA, (Ph.D.)

Assistant Professor

External Examiner

INTRODUCTION

1.1 Background of the study

The foremost objective of finance management is to increase the shareholder's wealth of a firm. The objective can be achieved based on the investment decision or capital expenditure decision and the financing decision or capital structure decisions. The theory of capital structure is one of the most important financial themes in corporate finance and various studies use this theory to highlight the significance of debt financing. Capital structure of a firm is defined by its leverage; that is a mix of debt and equity financing which is subject to different financial difficulties. Financial leverage represents the total debt reported to the equity of a firm, reflecting the capacity of the firms to attract external financial resources in order to improve the efficiency of the equity. Leverage has been conceived also as a modality by which a firm can increase its growth opportunity. So, Leverage decision is fundamental for any business organization because of the need to maximize return to the various stake holders and also because of the fact that such decision has great impact on the firms' ability to deal with competitive environment. Leverage had incorporated also the meaning of the risk increasing philosophy. It is important for business that how to choose the combination of debt and equity to achieve optimum capital structure that would minimize the firm's cost of capital and improves return to owners of the business. One of the best ways in which firm increases its profit is through financial leverage. Financial leverage uses debt instruments so that the anticipated level return on the firm's equity would increase.

Financial decision is one of the integral and important parts of financial management in any kind of business concern. A sound financial decision must consider the board coverage of the financial mix (Capital Structure), total amount of capital (capitalization) and cost of capital (Ko). Capital structure is one of the significant things for the management, since it influences the debt equity mix of the business concern, which affects the shareholder's return and risk. Hence, deciding the

5.3 CONCLUSION

From the analysis it is clear that the operating profit of the "AMARARA BATTERIES LIMITED" is showing fluctuating. Financial leverage is also increasing over the study period and operating leverage is constant. it is to be concluded that the shareholders fund is increasing year by year. The amount of contribution is also showing increasing trend as net sales of the company increasing, the net profit after taxes increasing operating profit ratio of the company is decreasing continuously from 2015-18, on overall performance of the company analyzed with respect to leverage and profitability is good.

A

STUDY ON

RISK AND RETURN ANALYSIS OF SELECTED CEMENT SECURITIES

Submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

(AUTONOMOUS)

NEW BOYANAPALLI, RAJAMPET

In partial fulfillment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

Submitted by

S. NAGA JYOTHI

(Regd.No: 17701E0032)

Under the guidance of

Dr. P. SUBRAMANYAM, M.com,MBA,Ph.D

Associate Professor

DEPARTMENT OF BUSINESS ADMINISTRATION

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES

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(2017- 2019)

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INTRODUCTION

Every investment is characterized by risk and return. Risk is a situation involving explore to uncertainty. When an investor utilize fund into some securities, he/she does so after analyzing the expected return. If actual return acquire is the same as the expected return, such an investment considered to be risk free i.e. an investment with no risk. Usually, elevated the risk higher the return, lower the risk underneath the return, however, a general understanding of this phenomenon is not adequate to make proper decision relating to investment. A more quantifiable analysis is needed to understand investment better. The quantifiable analysis is finished by use of simple arithmetic and statistical to analyses the relationship. Risk is defined as the chance that investments actual return will be dissimilar from expected. This includes the possibility of losing some or all of the genuine investment.

Risk and return is a composite topic. There are many types of risks and many ways to assess and measure risk. In the theory and practice of investing, a widely habituated definition of risk is: "Risk is the uncertainty that an investment will gross its expected rate of return."

Note that this definition does not differentiate between loss and gain. Typically, individual investors think of risk as the feasibility that their investments could lose money. They are likely to be completely happy with an investment return that is greater than expected - a "positive surprise." However, since risky assets generate negative surprises as well as positive ones, defining risk as the **uncertainty** of the rate of return is reasonable. Greater uncertainty results in greater likelihood that the investment will generate larger gains, as well as greater likelihood that the investment will generate larger losses (in the short term) and in higher or lower accumulated value (in the long term.)

In financial planning, the investment goal must be considered in defining risk. If your goal is to provide an acceptable amount of retirement income, you should construct an investment portfolio to generate an expected return that is sufficient to meet your investment goal. But because there is **uncertainty** that the portfolio will earn its expected long-term return, the long-term realized return may fall short of the expected return. This raises the possibility that available retirement funds fall short of needs - that is, the investor might outlive the investment portfolio. This is an example of "shortfall risk." The **magnitude** and **consequences** of the potential shortfall deserve special consideration from investors. However, since

CONCLUSION

From the analysis, it is observed that out of six companies, Zuari is having more return than others selected companies. So from return point of view Zuari is the best choice for investment. Likewise, in risk aspect Zuari and Penna are showing high risk and UltraTech and Ambuja is less risk. Under risk aspect of all companies (Penna cement, UltraTech cement, Zuari cement, Ramco cement, Ambuja cement and Sagar cement) preferred choice. By combining return and risk, Zuari cement is the best one than other selected cement companies. But the investors have to prefer the security which gives maximum returns with minimum risk.

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A

PROJECT REPORT

ON

A STUDY ON CUSTOMER SATISFACTION WITH REFERENCE TO NESTLE, NANDYALA

SUBMITTED TO

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES,

(AUTONOMOUS)

In partial fulfillment of the requirements for the award of the degree of

MASTER OF BUSINESS ADMINISTRATION

SUBMITTED BY

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H.NO: 17701E0057

Under the Guidance of

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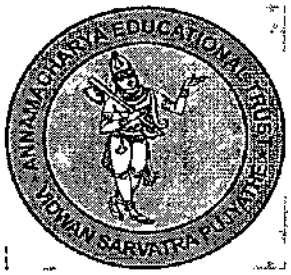

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EXTERNAL EXAMINER

CHAPTER – 1
INTRODUCTION

The definition of customer satisfaction has been widely debated as organizations increasingly attempt to measure it. Customer satisfaction can be experienced in a variety of situations and connected to both goods and services. It is a highly personal assessment that is greatly affected by customer expectations. Satisfaction also is based on the customer's experience of both contact with the organization (the "moment of truth" as it is called in business literature) and personal outcomes. Some researchers define a satisfied customer within the private sector as "one who receives significant added value" to his/her bottom line—a definition that may apply just as well to public services. Customer satisfaction differs depending on the situation and the product or service. A customer may be satisfied with a product or service, an experience, a purchase decision, a salesperson, store, service provider, or an attribute or any of these. Some researchers completely avoid "satisfaction" as a measurement objective because it is "too fuzzy an idea to serve as a meaning full benchmark." Instead, they focus on the customer's entire experience with an organization or service contact and the detailed assessment of that experience.

For example, reporting methods developed for health care patient surveys often ask customers to rate their providers and experiences in response to detailed questions such as, "How well did your physicians keep you informed?" These surveys provide "actionable" data that reveal obvious steps for improvement.

Customer satisfaction is a highly personal assessment that is greatly influenced by individual expectations. Some definitions are based on the observation that customer satisfaction or dissatisfaction results from either the confirmation or disconfirmation of individual expectations regarding a service or product. To avoid difficulties stemming from the kaleidoscope of customer expectations and differences, some experts urge companies to "concentrate on a goal that's more closely linked to customer equity." Instead of asking whether customers are satisfied, they encourage companies to determine how customers hold them accountable Customer satisfaction, a business term, are a measure of how products and services supplied by a company meet or surpass customer expectation. It is seen as a key performance

Conclusion:

Customer are the major assets for every organization. Companies in order to get profits, reputation and brand value in the society, it should concentrate on increasing customer satisfaction. Beverage, Food brand value and fact contents plays a key role in customer satisfaction as NESTLE company is following these best techniques, it gives customer satisfaction. So, that it is giving major competition to the other Brands.

A STUDY ON

HERZBERG'S MOTIVATION-HYGIENE THEORY AND JOB SATISFACTION: THE MEDIATING THE EFFECT OF LOVE OF MONEY

With reference to

Zuari cement Private Limited

Project report submitted to

ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES

(AUTONOMOUS)

In partial fulfilment of the requirement for the award of the degree of

Submitted by

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1.INTRODUCTION

This chapter presents the background information of the study on job satisfaction of statement of the Problem, research questions, research objectives, relevance of the research and summary.

1.1 BACKGROUND TO THE STUDY:

Success of an organization greatly depends upon its human capital rather than only on its technical and financial soundness. A satisfied human resource is the biggest asset of any organization in manufacturing as well as service sector organizations like financial sector. Satisfied employees are responsible for increment of productivity and profitability of a bank. Low level of job satisfaction becomes strong reason for work slow-down, high absenteeism and turnover which leads the poor performance of organizations. Efficient human resource management and maintaining higher job satisfaction level in banks determine not only the performance of the bank but also effect on its continuous growth.

Job satisfaction is considered as a critical success factor for organizations because it enhances employee retention, increases productivity, improves teamwork, reduces turnover, recruiting and training costs, and ultimately increases the financial performance of commercial banks. Employees who have higher job satisfaction are usually less absent, less likely to leave, more productive, more likely to display organizational commitment, and more likely to be satisfied with their lives (Lease, 1998).

Employees' job satisfaction is a multi-disciplinary concept that results from employees' perception of their jobs and the degree to which there is a good fit between them and the organization (Ivancevich, Matteson & Konopaske, 2011). Job satisfaction is regarded as one of the most representative dimensions of organizational behavior (Ghazzawi, 2008). It is defined as

1.2 STATEMENT OF THE PROBLEM:

Employees are the main organizational resource; without them organizations would not exist or function (Worthington & Britton, 2006). In recent years, measuring employees' satisfaction has become a subject of growing interest among organizational managements. This organizational interest in measuring job satisfaction has been motivated by the following reasons:

1. Utilitarian reasons such as to increase and improve productivity, organizational commitment, organizational citizenship behaviors, and ultimately, to increase organisational effectiveness.

CONCLUSION:

- Employees in Zuari cement have greater emphasis on hygiene factors than motivators, namely working condition, money factor and company policy.
- It also found that the love for money has a mediating effect on the relationship between money and job satisfaction.
- These need to ensure that they take four significant motivational factors into consideration and prioritize them over other motivational factors as these variables will improve the job satisfaction.
- The retailer would have lower turnover if they make the necessary improvements on the working conditions
- Provide employees with flexible working schedule.
- Link the performance of employees with the appropriate monetary rewards and incentives workers can be concurrently intrinsically and extrinsically motivated.

A

PROJECT REPORT ON

Corruption Control through Budget Maintenance

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

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The person has completed the assigned project well within the frame. The person is sincere, has working and conduct during period is commendable.

We wish the person all the best in this Endeavour.

JAVA HOME TECHNOLOGIES Authorised Bangalore

From Java Home India Pvt. Ltd

JAVA HOME TECHNOLOGIES Authorised Bangalore

Project Guide

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ABSTRACT

A budget is a government's plan on the use public resources to meet the citizens' needs. Budget Transparency means that ordinary citizens and civil society organizations can access information about how public resources are allocated and used. Budget Transparency enables citizens to assess whether government officials are good stewards of public funds. Budget Transparency is a fundamental precondition for accountability and public participation in governance processes.

Lack of transparency and democratic control of budget processes creates opportunities for graft and corruption. A non-transparent budget can neither be properly analyzed nor can its implementation be effectively monitored.

Transparency allows citizens to provide inputs into the budget process and to assess whether a government executed the development plans in accordance with budgetary allocations.

CONCLUSIONS

This Project named "Corruption Control through Budget Maintenance" acts as a tool that displays all the transactions during a budget year transparently from budget officer who releases funds to the contractor who receives the amount finally. It also acts as an interface to view the Budget details, Contracts and as a result the development process done by the government in between a particular period. So, we are able to achieve all these requirements and also during the process of development we have learnt the technologies like Java, JavaScript, Html, CSS etc., We also learnt how to work with Servers such as Tomcat and Oracle.

A

PROJECT REPORT ON

Achieving Efficient and Secure Data Acquisition for Cloud-supported Internet of Things in Smart Grid

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

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He has done this project using **JAVA** during the period of December 2018 to April 2019 under the guidance and supervision of **Mr.N.Narayana Reddy** from **Narayana I Technologies**.

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ABSTRACT

Cloud-supported Internet of Things (Cloud-IoT) has been broadly deployed in smart grid systems. The front-ends are responsible for data acquisition and status supervision, while the substantial amount of data is stored and managed in the cloud server. Achieving data security and system efficiency in the data acquisition and transmission process are of great significance and challenging, because the power grid-related data is sensitive and in huge amount. In this paper, we present an efficient and secure data acquisition scheme based on CP-ABE (Cipher text Policy Attribute Based Encryption). Data acquired from the terminals will be partitioned into blocks and encrypted with its corresponding access sub-tree in sequence, thereby the data encryption and data transmission can be processed in parallel. Furthermore, we protect the information about the access tree with threshold secret sharing method, which can preserve the data privacy and integrity from users with the unauthorized sets of attributes. The formal analysis demonstrates that the proposed scheme can fulfill the security requirements of the Cloud-supported IoT in smart grid. The numerical analysis and experimental results indicate that our scheme can effectively reduce the time cost compared with other popular approaches.

Conclusion :

Cloud-IoT techniques are widely deployed in Smart Grid. Huge amount of data is gathered by IoT front-end devices and stored in the back-end cloud servers. However, achieving data security and system efficiency in the data acquisition and transmission process are of great significance and challenging. Existing related schemes cannot deal with this challenging issue well. To tackle with this problem, we propose a secure and efficient data acquisition scheme for Cloud-IoT in smart grid. In the proposed scheme, the large data is partitioned into several blocks, and the blocks are encrypted/decrypted and transmitted in sequence.

A

PROJECT REPORT ON

IDENTITY BASED ENCRYPTION WITH CLOUD REVOCATION AUTHORITY AND ITD APPLICATIONS

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

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Head of the Department
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External Examiner

Hosting: 625 domains!
9 Fully Managed Servers

Krishi Info

Date: 14-05-2019

CERTIFICATE

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For Krishi Info,

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Abstract

Identity-based encryption (IBE) is a public key cryptosystem and eliminates the demands of public key infrastructure (PKI) and certificate administration in conventional public key settings. Due to the absence of PKI, the revocation problem is a critical issue in IBE settings. Several revocable IBE schemes have been proposed regarding this issue. Quite recently, by embedding an outsourcing computation technique into IBE, Li *et al.* proposed a revocable IBE scheme with a key-update cloud service provider (KU-CSP). However, their scheme has two shortcomings. One is that the computation and communication costs are higher than previous revocable IBE schemes. The other shortcoming is lack of scalability in the sense that the KU-CSP must keep a secret value for each user. In the article, we propose a new revocable IBE scheme with a cloud revocation authority (CRA) to solve the two shortcomings, namely, the performance is significantly improved and the CRA holds only a system secret for all the users. For security analysis, we demonstrate that the proposed scheme is semantically secure under the decisional bilinear Diffie-Hellman (DBDH) assumption. Finally, we extend the proposed revocable IBE scheme to present a CRA-aided authentication scheme with period-limited privileges for managing a large number of various cloud services.

CONCLUSIONS

In this article, we proposed a new revocable IBE scheme with a cloud revocation authority (CRA), in which the revocation procedure is performed by the CRA to alleviate the load of the PKG. This outsourcing computation technique with other authorities has been employed in Li *et al.*'s revocable IBE scheme with KU-CSP. However, their scheme requires higher computational and communicational costs than previously proposed IBE schemes. For the time key update procedure, the KU-CSP in Li *et al.*'s scheme must keep a secret value for each user so that it is lack of scalability. In our revocable IBE scheme with CRA, the CRA holds only a master time key to perform the time key update procedures for all the users without affecting security.

For security analysis, we have demonstrated that our scheme is semantically secure against adaptive-ID attacks under the decisional bilinear Diffie-Hellman assumption. Finally, based on the proposed revocable IBE scheme with CRA, we constructed a CRA aided authentication scheme with period-limited privileges for managing a large number of various cloud services.

Future Enhancement

It is not possible to develop a system that makes all the requirements of the user. User requirements keep changing as the system is being used. Some of the future enhancements that can be done to this system are:

- Based on the future security issues, security can be improved using emerging technologies.
- Adding more GUI to user convenient
- Data storage and retrieval will become faster and easier to maintain.
- Time updated key module can be added.

A

PROJECT REPORT ON

Optimizing Information Leakage in Multicloud Storage Services

Submitted in partial fulfillment of the
Requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

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Regd. No: 16701F0019

Under the Guidance of
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Certificate

This is to certify that **Mr. S Rama Sudhakar Reddy (Regd No: 16701F0019)** from **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet,** student of MCA has successfully completed the project work titled **"Optimizing Information Leakage in Multicloud Storage Services"** as part his course curriculum in our organization.

He has done the project using **Java Technologies** during the project period of December 2018 to April 2019, under the guidance and supervision of Mr. Shiva Krishna, from 1000Projects IT Technologies (India) Pvt. Ltd.

He has completed the assigned work successfully within the time frame. His sincerity, hard work and conduct during the project are commendable.

We wish him all the best in future endeavors.

Yours Sincerely,

For 1000Projects IT Technologies (India) Pvt. Ltd.

Ramesh Gavva.
Managing Director.

1000Projects IT Technologies (India) Private Limited

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ABSTRACT

Many schemes have been recently advanced for storing data on multiple clouds. Distributing data over different cloud storage providers (CSPs) automatically provides users with a certain degree of information leakage control, for no single point of attack can leak all the information. However, unplanned distribution of data chunks can lead to high information disclosure even while using multiple clouds. In this paper, we study an important information leakage problem caused by unplanned data distribution in multicloud storage services. Then, we present StoreSim, an information leakage aware storage system in multicloud. StoreSim aims to store syntactically similar data on the same cloud, thus minimizing the user's information leakage across multiple clouds. We design an approximate algorithm to efficiently generate similarity-preserving signatures for data chunks based on MinHash and Bloom filter, and also design a function to compute the information leakage based on these signatures. Next, we present an effective storage plan generation algorithm based on clustering for distributing data chunks with minimal information leakage across multiple clouds.

CONCLUSIONS

Distributing data on multiple clouds provides users with a certain degree of information leakage control in that no single cloud provider is privy to the entire user's data. However, unplanned distribution of data chunks can lead to avoidable information leakage. We show that distributing data chunks in a round robin way can leak user's data as high as 80% of the total information with the increase in the number of data synchronization. To optimize the information leakage, we presented the StoreSim, an information leakage aware storage system in the multicloud. Store Sim achieves this goal by using novel algorithms, BFSMinHash and SPClustering, which place the data with minimal information leakage (based on similarity) on the same cloud. Through an extensive evaluation based on two real datasets, we demonstrate that StoreSim is both effective and efficient (in terms of time and storage space) in minimizing information leakage during the process of synchronization in multicloud. We show that our StoreSim can achieve near-optimal performance and reduce information leakage up to 60% compared to unplanned placement. Finally, through our attackability analysis, we further demonstrate that StoreSim not only reduces the risk of wholesale information leakage but also makes attacks on retail information much more complex.

A

PROJECT REPORT ON

ONLINE STUDENT COUNSELLING RECORD MANAGEMENT

Submitted in partial fulfillment of the
requirements for the award of the degree of

MASTER OF COMPUTER APPLICATIONS

By

Mr. K. MANOJKUMAR RAJU
(Regd.No:16701F0012)

Under the Guidance of
Mr. C.SASIDHAR
Assistant Professor

DEPARTMENT OF COMPUTER APPLICATIONS

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES
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NEW BOYANAPALLI-516126, RAJAMPET (A.P).

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Project Guide

Head of the Department
Master of Computer Applications
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New Boyanapalli, Rajampet - 516126.

Internal Examiner

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Date: 24-04-19

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This is to confirm and certify **Mr.K.ManojKumarRaju**M.C.A, student of **Annamacharya Institute of Technology&Sciences (Autonomus).Rajampet.** With **Reg.No 16701F0012** has successfully completed his project work titled **"Online Student Counselling Record Management"** on JAVA Technologies as part of his course curriculum.

He has done this project using JAVA during the period of December 2018 to April 2019 under the guidance and supervision of **Mr.G.Brahmendranath Reddy**from **Incredible Technologies Pvt.Ltd.**

He has completed the assigned Project well within the time frame. He is sincere, hardworking and his conduct during the project is commandable.

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(Project Guide)

ABSTRACT

Our project online Counselling Record gives the complete student information which includes their personal details, student record, student's academic record (internal marks, attendance details) and summary sheet. There is also a facility for faculty members to give suggestions for the students related to their academics and attendance. Registration is also provided for the students and faculty to access the details and modify them. Authentication is provided for this application so that only registered users can access. Report generation feature is provided using to generate different kind of reports. The system provides facility to track the student attendance and marks. Admin send marks and attendance to their parent's mobile numbers. Faculty can also give suggestions to students mobile numbers.

CONCLUSION

In this project "ONLINE STUDENT COUNSELLING RECORD MANAGEMENT" can replace the manual system that transformation of information can be delivered to their parent's mobile phones.

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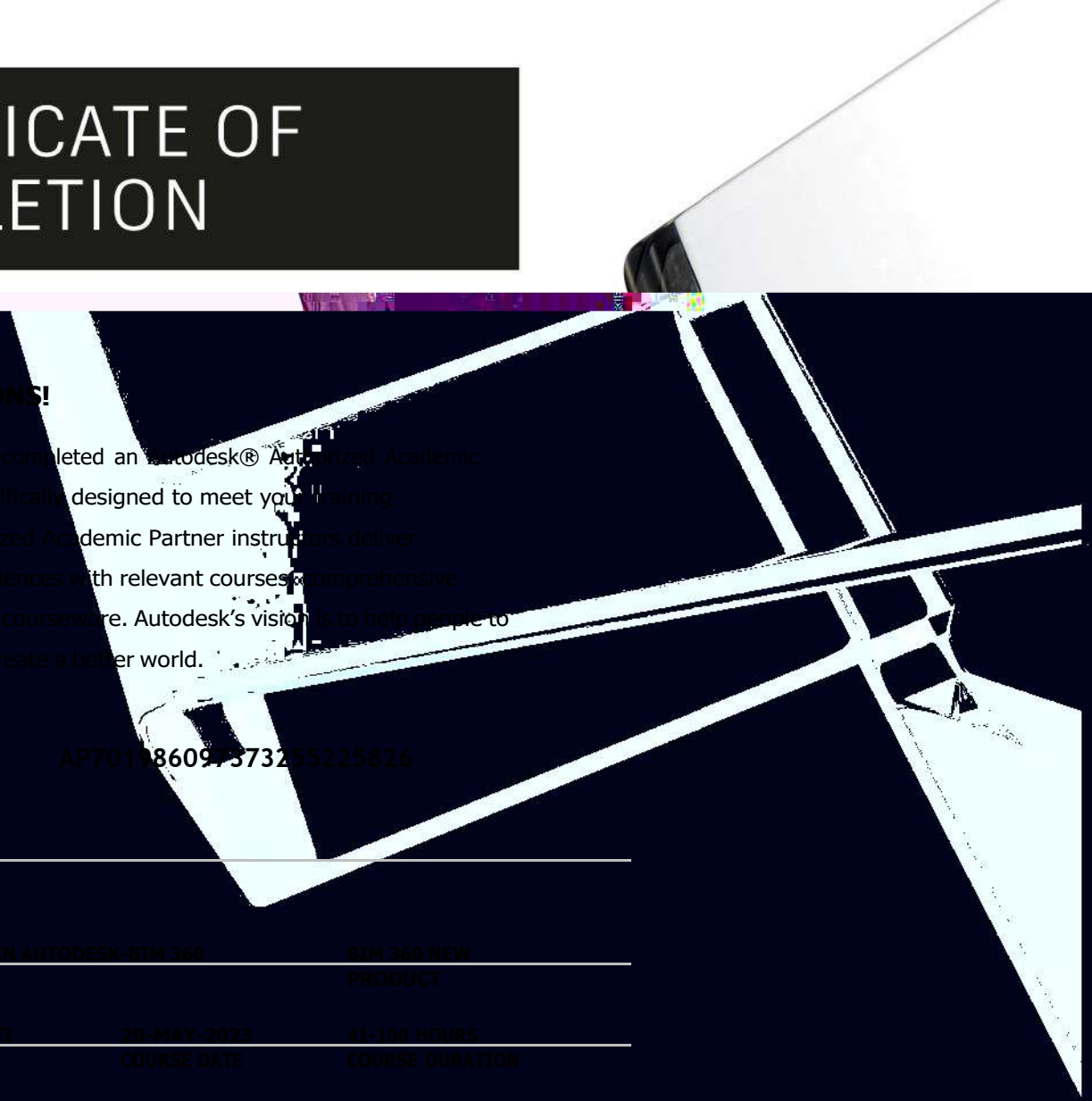

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Cert No. ACETII24388

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CEO
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S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0257

Cert No. ACETII24423

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

Roll No. 20701A0255

Cert No. ACETII24421

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Reddam Kiran Kumar Reddy

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

Roll No. 20701A0253

Cert No. ACETII24419

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Yerraguntla Keerthana

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

Learning Modules Include Mechatronics and Robot Operating System (ROS) Programming by FH Aachen University, Germany, and Programmable Logic Controller (PLC) Modules from FESTO India.

Certification Partners

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Indo Euro
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Raj Vangapandu

S. Satyanarayana

Roll No. 20701A0251

Cert No. ACETII24417

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Renati Kavitha

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0249

Cert No. ACETII24415

Roll No. 20701A0247

Cert No. ACETII24413

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. S Jyothi

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0245

Cert No. ACETII24411

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Subbigari Jayasree

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

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Certification Partners

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0243

Cert No. ACETII24409

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. M Hemalatha

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0241

Cert No. ACETII24407

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Sannala Harshitha

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701A0293

Cert No. ACETII24457

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Velupula Pavan Kumar

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

Roll No. 20701A0291

Cert No. ACETII24455

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Bodugula Pavan

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

Skill AP
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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701A0289

Cert No. ACETII24453

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Nitya P

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

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Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701A0287

Cert No. ACETII24451

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. V Nishitha

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0285

Cert No. ACETII24449

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Dasari Narendra

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

Skill AP
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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0282

Cert No. ACETII24447

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. P Naga Poornima

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0280

Cert No. ACETII24445

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Shaik Mohammad Abdullah

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701a0278

Cert No. ACETII24443

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. G Manoj Kumar

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0276

Cert No. ACETII24441

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Surapureddy Manjith Reddy

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701a0274

Cert No. ACETII24439

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. V Mallikarjuna Yadav

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

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CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701A0272

Cert No. ACETII24437

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. M Maheswar Reddy

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0270

Cert No. ACETII24435

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. T Mahesh Chandra

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

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Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0267

Cert No. ACETII24433

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Salibindla Madhu

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

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During August 29th - October 21st 2022

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Synchronization
Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

Roll No. 20701A0265

Cert No. ACETII24431

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Pitta Lokesh

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

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Indo Euro
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Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0263

Cert No. ACETII24429

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Likhitha Pujari

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

Skill AP
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Synchronization
Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0261

Cert No. ACETII24427

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. K Lakshmi Sainath

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

During August 29th - October 21st 2022

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Certification Partners

Skill AP
APSSDC

Indo Euro
Synchronization
Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A0259

Cert No. ACETII24425

Andhra Pradesh State Skill Development Corporation (APSSDC)

Indo-Euro Synchronization (IES)

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Kushwanth Parnapalli

of Annamacharya Institute of technology and science, Rajampet

for successfully completing the

International Internship

In Advance certification on Emerging Technologies

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Synchronization
Education and Research Resources

Raj Vangapandu
CEO
Indo-Euro Synchronization

S. Satyanarayana,IAS
Managing Director
APSSDC

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **UMAMAHESWARI NAGELLA (20701A02F9),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
- Participate in the design and development of IoT solutions
- Test and validate IoT solutions and analyse the results
- Collaborate with other team members to complete project tasks
- Apply critical thinking and problem-solving skills to identify and address project challenges
- Your positive attitude, dedication, and eagerness to learn have made you an asset to the team. Your excellent communication skills and ability to articulate your ideas and thoughts were also notable. It was a pleasure having you as a part of our team.

We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :..... 26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VENKATA SUNIL BABU GAJULA (21705A0250),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
- Participate in the design and development of IoT solutions
- Test and validate IoT solutions and analyse the results
- Collaborate with other team members to complete project tasks
- Apply critical thinking and problem-solving skills to identify and address project challenges
- Your positive attitude, dedication, and eagerness to learn have made you an asset to the team. Your excellent communication skills and ability to articulate your ideas and thoughts were also notable. It was a pleasure having you as a part of our team.

We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

Chennai 600 063

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUVARNA BOMMEPALLI (20701A02E7),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
- Participate in the design and development of IoT solutions
- Test and validate IoT solutions and analyse the results
- Collaborate with other team members to complete project tasks
- Apply critical thinking and problem-solving skills to identify and address project challenges
- Your positive attitude, dedication, and eagerness to learn have made you an asset to the team. Your excellent communication skills and ability to articulate your ideas and thoughts were also notable. It was a pleasure having you as a part of our team.

We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUVARNA KURAPATI (20701A02E8),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
- Participate in the design and development of IoT solutions
- Test and validate IoT solutions and analyse the results
- Collaborate with other team members to complete project tasks
- Apply critical thinking and problem-solving skills to identify and address project challenges
- Your positive attitude, dedication, and eagerness to learn have made you an asset to the team. Your excellent communication skills and ability to articulate your ideas and thoughts were also notable. It was a pleasure having you as a part of our team.

We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,
[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SYAMU BATTA (20701A02E9),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
- Participate in the design and development of IoT solutions
- Test and validate IoT solutions and analyse the results
- Collaborate with other team members to complete project tasks
- Apply critical thinking and problem-solving skills to identify and address project challenges
- Your positive attitude, dedication, and eagerness to learn have made you an asset to the team. Your excellent communication skills and ability to articulate your ideas and thoughts were also notable. It was a pleasure having you as a part of our team.

We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **TEJA RAJU BALARAJU (20701A02F0),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
- Participate in the design and development of IoT solutions
- Test and validate IoT solutions and analyse the results
- Collaborate with other team members to complete project tasks
- Apply critical thinking and problem-solving skills to identify and address project challenges
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We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VAMSI KRISHNA KULLI (20701A02G1),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

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- Test and validate IoT solutions and analyse the results

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **UDAY KUMAR YEL**[redacted]

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SURESH GUNDABOYINA (20701A02E6),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **TEJASWINI AMMINENI (20701A02F1),**

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Date :.....
26-04-2023

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Dear **THARUN KUMAR JANGITI (20701A02F3),**

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EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **THEJA SRAVANI GANDLA (20701A02F4),**

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Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **UDAY DARA (20701A02F6),**

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Embedded and Robotics Solutions Private Limited Chennai 600 063

[D Manoj Kumar]

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Tamil Nadu, India. Pincode - 600 063

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EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VARSHITHA REDDY AMBAVARAM (20701A02G2),**

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Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUPRAJA JANGAM SETTY (20701A02E2),**

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Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUPRAJA EDIGA (20701A02E1),**

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Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUDHARSHAN REDDY VANKANA (20701A02D8),**

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[D.Manoj Kumar]

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EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUDHAKAR JILLELLA (20701A02D7),**

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Date :.....

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EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUBHAHAN MADDI (20701A02D5),**

I am pleased to inform you that you have successfully completed your internship program on the

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SUBHA MEGHANA MUDIMALA (20701A02D4),**

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Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **SREENIVASULU MANDLA (20701A02D2),**

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TO WHOMSOEVER IT MAY CONERN

Dear **SHARATH REDDY ALAVALAPATI (20701A02C0),**

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TO WHOMSOEVER IT MAY CONERN

Dear **SHASHANK VARMA ADDEPALLI (20701A02C1),**

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TO WHOMSOEVER IT MAY CONERN

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EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
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TO WHOMSOEVER IT MAY CONERN

Dear **SIVA PRASAD REDDY VATHALURI PAPANNAGARI (20701A02C4),**

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Dear **SIVAMOHITH REDDY KOMMA (20701A02C5),**

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Dear **SIVANI VENNAPOOSA (20701A02C6),**

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Dear **SNEHALATHA NANDALURU (20701A02C7),**

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Dear **SRAVAN KUMAR PANCHANGAM (20701A02D0),**

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Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VENKATA CHAITANYA NAGINENI (20701A02G3),**

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Dear **VENKATA KIRAN DOPPANI (20701A02G4),**

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Dear **VENKATA MANIKANTA CHALAPATI (20701A02G5),**

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Dear **VENKATA SAIKUMAR REDDY CHINTHAKUNTA (20701A02G6),**

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Dear **VENKATA SIVA SINDHUJA PALAGIRI (20701A02G7),**

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Dear **VENKATA SUBRAMANYAM KUMMARI (20701A02G8),**

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Dear **VENKATA VASUKOTI REDDY BHEEMCHERLA (20701A02G9),**

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TO WHOMSOEVER IT MAY CONERN

Dear **VENKATESH KUMMARI (20701A02H0),**

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Dear **VIDYA REDDY GADIKOTA (20701A02H1),**

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Dear **VINAY BABU PINDIBOIYANA (20701A02H2),**

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Chennai 600 063

Dr Manoj Kumar J

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Dear **BHASKAR REPANA (21705A0202),**

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We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **DILIP KUMAR K (21705A0205),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Dear **DWARAKESH KANTA (21705A0206),**

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Dear **GANGA MAHESH BAPANAPALLE (21705A0207),**

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Dear **GANGOTHRI ALAVALAPADU (21705A0208),**

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Dear **GEETHA YARRAGANGANNA (21705A0209),**

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Dear **HEMANTH NAGA SAI MANGALI (21705A0210),**

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TO WHOMSOEVER IT MAY CONERN

Dear **KARTHIK YADAV MUNTHA (21705A0211),**

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26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **LAKSHMI PAVAN RAGIRI (21705A0212),**

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TO WHOMSOEVER IT MAY CONERN

Dear **MAHESH KUMAR GONTIMUKKALA (21705A0213),**

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TO WHOMSOEVER IT MAY CONERN

Dear **MANASA CHIRRA (21705A0214),**

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26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **MANIKANTA SAINATH REDDY ARIMANDA (21705A0215),**

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TO WHOMSOEVER IT MAY CONERN

Dear **MANJULA GALI (21705A0216),**

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Dear **MAQSOOD AHAMAD SHAIK (21705A0218),**

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Dear **MARUTHI NAIK MOOD (21705A0219),**

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Sigetech Embedded and Robotics Solutions Private Limited Chennai 600 063

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Dear **NAGA SAROJA BANDARU (21705A0220),**

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Dear **NARASIMHA BATTALA (21705A0221),**

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Dear **NAVEEN KUMAR GOLLA (21705A0222),**

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Dear **PARASURAM MALA (21705A0223),**

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We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **RAM MANOHAR GOUDA MADDULA (21705A0224),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Dear **RAMAMOHAN TALARI (21705A0225),**

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Dear **RAMBHUPAL MALYALA (21705A0226),**

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Dear **RAVI KUMAR SANDRAPALLI (21705A0227),**

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TO WHOMSOEVER IT MAY CONERN

Dear **SAI HARSHA VARDHAN D (21705A0230),**

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Dear **SAI KIRAN MUNTIMADUGU (21705A0231),**

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TO WHOMSOEVER IT MAY CONERN

Dear **SAIKUMAR RAJU KONDURU (21705A0232),**

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Dear **SAKETH REDDY ONIPENTA (21705A0233),**

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Dear **SHAKEER BASHA SHAIK (21705A0235),**

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- Your positive attitude, dedication, and eagerness to learn have made you an asset to the team. Your excellent communication skills and ability to articulate your ideas and thoughts were also notable. It was a pleasure having you as a part of our team.

We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavours. We wish you all the best in your future endeavours.

Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :..... 26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VENKATA NAVEEN GURUVUGARI (21705A0246),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards designing and developing IoT solutions for real-world problems. Your ability to collaborate and work in a team environment was exceptional, and you contributed significantly to the success of the project.

During the internship, you were able to:

- Gain an understanding of IoT technology and its applications in real-world problems
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SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date : 26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VENKATA NIRANJAN KUMMARI (21705A0247),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VENKATA SREEKANTH PENDLIMARRI (21705A0248),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Sincerely,

[D.Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VENKATA SREENATH REDDY VENNAPUSA (21705A0249),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VIJAY KUMAR GOUD TUMMALA (21705A0251),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Sincerely,

[D Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VIJAY KUMAR REDDY KADIRI (21705A0252),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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[D.Manoj Kumar]

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VIJAYA DIVIJA NALLABALLE (21705A0253),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :..... 26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VISHNUVARDHAN REDDY YARRAJONNAGARI (21705A0254),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....
26-04-2023

TO WHOMSOEVER IT MAY CONERN

Dear **VAMSI KRISHNA BHAJANTRI (20701A02G0),**

I am pleased to inform you that you have successfully completed your internship program on the topic of "**Designing and Developing IoT Solutions for Real-World Problems**". During your internship from **20-03-2023 to 19-04-2023**, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

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Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
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Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
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Tamil Nadu, India. Pincode - 600 063

SIGETECH

EMBEDDED AND ROBOTICS SOLUTIONS PRIVATE LIMITED

Date :.....

Zion Park, 16 / 24 Srinivasa Raghavan Street, Perungulathur, Chennai,
Tamil Nadu, India. Pincode - 600 063

PRINT 3D TECHNOLOGIES

3D PRINTING, ROBOTICS & IOT SOLUTIONS PVT LIMITED

Ministry of Micro, Small and Medium Enterprises, Government of India

MSME

MICRO, SMALL & MEDIUM ENTERPRISES

TO WHOMSOEVER IT MAY CONCERN

Dear Mr. **BALA VENGAIAH BATHENA** **Roll No: 21701A0301**

I am pleased to inform you that you have successfully completed your internship program on the topic "3**D Printing, Robotics and IOT Programming**", conducted by our organization from 03-05-2023 to 03-06-2023. At the time of the Internship, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

Throughout the internship, you have shown great interest and dedication towards robotics and its applications in real-world problems. Your ability to collaborate and work in team environment was exceptional, and you contributed significantly to the success of the projects.

During the internship, you were able to:

* Design and Manufacture the 3D Models with 3DS Max and Luban Slicing softwares.
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We hope that this internship has provided you with valuable experience and skills that will serve you well in your future endeavors. We wish you all the best.

Sincerely

Dr.B.K.C.Ganesh
Founder and CEO
PRINT 3D TECHNOLOGIES
TIRUPATI - 517502

PRINT 3D TECHNOLOGIES

3D PRINTING, ROBOTICS & IOT SOLUTIONS PVT LIMITED

Ministry of Micro, Small and Medium Enterprises, Government of India
MSME
MICRO, SMALL & MEDIUM ENTERPRISES

TO WHOMSOEVER IT MAY CONCERN

Dear Mr. **CHARANDEEP ROYAL THOTA** **Roll No: 21701A0302**

I am pleased to inform you that you have successfully completed your internship program on the topic "3**D Printing, Robotics and IOT Programming**", conducted by our organization from 03-05-2023 to 03-06-2023. At the time of the Internship, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Print 3D Technologies * Tirupati 517502 *

Dr.B.K.C.Ganesh
Founder and CEO
PRINT 3D TECHNOLOGIES
TIRUPATI - 517502

PRINT 3D TECHNOLOGIES

3D PRINTING, ROBOTICS & IOT SOLUTIONS PVT LIMITED

Ministry of Micro, Small and Medium Enterprises, Government of India

MSME MICRO, SMALL & MEDIUM ENTERPRISES

TO WHOMSOEVER IT MAY CONCERN

Dear Mr. **HAREESH REDDY KATTI** **Roll No: 21701A0303**

I am pleased to inform you that you have successfully completed your internship program on the topic "3**D Printing, Robotics and IOT Programming**", conducted by our organization from 03-05-2023 to 03-06-2023. At the time of the Internship, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Print 3D Technologies Tirupati-517502

Dr.B.K.C.Ganesh
Founder and CEO
PRINT 3D TECHNOLOGIES
TIRUPATI - 517502

PRINT 3D TECHNOLOGIES

3D PRINTING, ROBOTICS & IOT SOLUTIONS PVT LIMITED

Ministry of Micro, Small and Medium Enterprises, Government of India

MSME MICRO, SMALL & MEDIUM ENTERPRISES

TO WHOMSOEVER IT MAY CONCERN

Dear Mr. **HARSHAVARDHAN SANDRA** **Roll No: 21701A0304**

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Print 3D Technologies Tirupati-517502

Dr.B.K.C.Ganesh
Founder and CEO
PRINT 3D TECHNOLOGIES
TIRUPATI - 517502

PRINT 3D

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3D PRINTING, ROBOTICS & IOT SOLUTIONS PVT LIMITED

Ministry of Micro, Small and Medium Enterprises, Government of India
MSME
MICRO, SMALL & MEDIUM ENTERPRISES

TO WHOMSOEVER IT MAY CONCERN

Dear Mr. **MANOJKUMAR JINKALA** **Roll No: 21701A0306**

I am pleased to inform you that you have successfully completed your internship program on the topic "**3D Printing, Robotics and IOT Programming**", conducted by our organization from 03-05-2023 to 03-06-2023. At the time of the Internship, you have demonstrated a strong commitment to learning and actively engaging in the projects assigned to you.

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Print 3D Technologies 517502

Dr.B.K.C.Ganesh
Founder and CEO
PRINT 3D TECHNOLOGIES
TIRUPATI - 517502

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Indhu Priya Sigi* bearing H.T.No. 21701A0456 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22 / 06 /2023

RAM KUMAR, CEO
PVR TECH HUB

PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences Rajampet

This is to certify that Mr./Ms. *Jahnavi Bhuchupalli* bearing H.T.No. 21701A0457 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 /2023

PIONEERS IN EMERGING TECHNOLOGIES HYDERABAD PVR TECH HUB

RAM KUMAR, CEO
PVR TECH HUB

PVR TECH HUB HYDERABAD

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Janardhana Gandikota* bearing H.T.No. 21701A0458 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/06/2023

RAM KUMAR, CEO
PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Jyoshna Sudineni* bearing H.T.No. 21701A0461 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 / 2023

RAM KUMAR, CEO
PVR TECH HUB

PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Karthik Kumar Reddy Vanipenta* bearing H.T.No. 21701A0463 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 /2023

PIONEERS IN EMERGING TECHNOLOGIES
HYDERABAD
PVR TECH HUB

RAM KUMAR, CEO
PVR TECH HUB
HYDERABAD

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Lakshmi Narasimha Reddy Ramireddy* bearing H.T.No. 21701A0469 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/06/2023

RAM KUMAR, CEO
PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Lakshmi Devi Mekala* bearing H.T.No. 21701A0471 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 /2023

RAM KUMAR, CEO
PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. Lavanya Alam bearing H.T.No. 21701A0472 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 /2023

RAM KUMAR, CEO
PVR TECH HUB

PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Lokesh Pasaluru* bearing H.T.No. 21701A0474 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

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This is to certify that Mr./Ms. *Lokeswara Raju Galijerla* bearing H.T.No. 21701A0475 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Lokeswari Sanapalli* bearing H.T.No. 21701A0476 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Madhu Babu Talari* bearing H.T.No. 21701A0477 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Madhu Sake* bearing H.T.No. 21701A0478 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Manideep Yerragudi* bearing H.T.No. 21701A0482 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

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This is to certify that Mr./Ms. *Mohammad Iliyaz Mohammad Gari* bearing H.T.No. 21701A0486 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Mohammed Aasif Khan Patan* bearing H.T.No. 21701A0487 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Mohan Babu Kuruva* bearing H.T.No. 21701A0488 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Mounika Chigicherla* bearing H.T.No. 21701A0489 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Muni Chandra Reddy Ellugari* bearing H.T.No. 21701A0490 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Murali Sake* bearing H.T.No. 21701A0493 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Naga Lakshumaiah Badiginchala* bearing H.T.No. 21701A0494 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Nagaraju Sura* bearing H.T.No. 21701A0495 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Nandakishor Mavillapalle* bearing H.T.No. 21701A0497 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Narasimha Pola* bearing H.T.No. 21701A0498 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Navath Kumar Bucharla* bearing H.T.No. 21701A0499 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Naveen Kumar Managondu* bearing H.T.No. 21701A04A0 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Murali Krishna K* bearing H.T.No. 20701A0492 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Indraja Akula* bearing H.T.No. 22705A0413 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Kranthi Kumar Vayalpadu* bearing H.T.No. 22705A0416 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Munaiah Gajjala* bearing H.T.No. 22705A0418 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Rakshitha Karmanchi* bearing H.T.No. 22705A0423 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Revathi Chalampati* bearing H.T.No. 22705A0424 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Pavan Kalyan Kotti* bearing H.T.No. 21701A04A8 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Pavani Bareddy* bearing H.T.No. 21701A04B0 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Pavankumar Reddy Vaddireddy* bearing H.T.No. 21701A04B1 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Pradeep Kumar Reddy Balanagannagari* bearing H.T.No. 21701A04B7 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Pradeep Maram* bearing H.T.No. 21701A04B8 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Rabiya Shaik* bearing H.T.No. 21701A04C2 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Ramakrishna Reddy Lingala* bearing H.T.No. 21701A04D0 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Rana Jai Mullaguri* bearing H.T.No. 21701A04D1 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Ravi Teja Mahimaluru* bearing H.T.No. 21701A04D3 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Reddy Ganga Vasantha Lakshmi Avvaru* bearing H.T.No. 21701A04D5 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Reddy Varshini Polarapu* bearing H.T.No. 21701A04D8 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Revathi Palem* bearing H.T.No. 21701A04D9 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning". from 01/ 05 /2023 to 19/ 06 /2023

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This is to certify that Mr./Ms. *Sai Charan Thappeta* bearing H.T.No. 21701A04E0 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sai Niranjan Bandi* bearing H.T.No. 21701A04E1 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sameera Bommana* bearing H.T.No. 21701A04E2 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sameera Shaik* bearing H.T.No. 21701A04E3 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sandeep Annaladasu* bearing H.T.No. 21701A04E4 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Santhosh Naik Kalavath* bearing H.T.No. 21701A04E7 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sardhar Hussain Dudekula* bearing H.T.No. 21701A04E8 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Shahid Dudekula* bearing H.T.No. 21701A04E9 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning". from 01/ 05 /2023 to 19/ 06 /2023

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This is to certify that Mr./Ms. *Sharath Kumar Reddy Gadikota* bearing H.T.No. 21701A04F2 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Siva Chandra Thunga* bearing H.T.No. 21701A04F7 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. Sneha Kadapa bearing H.T.No. 21701A04F9 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Soma Sekhar Regimadugula* bearing H.T.No. 21701A04G3 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sai Divya Pulluru* bearing H.T.No. 22705A0425 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sasi Kumar Chakali* bearing H.T.No. 22705A0427 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Siva Prasad Jagili* bearing H.T.No. 22705A0428 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Sreedevi Beere* bearing H.T.No. 21701A04G6 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Uday Kumar Sathri* bearing H.T.No. 21701A04J1 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Venkata Sai Gangadhar Bandla* bearing H.T.No. 21701A04K1 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Venkata Sai Tharun Donadi* bearing H.T.No. 21701A04K2 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Vignesh B* bearing H.T.No. 21701A04K6 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Vijay Kumar Mala* bearing H.T.No. 21701A04K7 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

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This is to certify that Mr./Ms. *Vijay Simha Ethamanu* bearing H.T.No. 21701A04K8 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 /2023

RAM KUMAR, CEO
PVR TECH HUB

CERTIFICATE

Annamacharya Institute of Technology & Sciences
Rajampet

This is to certify that Mr./Ms. *Vijaya Prasanth Babu Baseddula* bearing H.T.No. 21701A04L0 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06/2023

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PVR TECH HUB

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Annamacharya Institute of Technology & Sciences
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This is to certify that Mr./Ms. *Vinuthna Challa* bearing H.T.No. 21701A04L1 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/06/2023

RAM KUMAR, CEO
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This is to certify that Mr./Ms. *Vishnu Vardhan Nagamalla* bearing H.T.No. 21701A04L3 has successfully completed the Internship Program on "Designing Customized Language Translator System Using Deep Learning".

from 01/ 05 /2023 to 19/ 06 /2023

Issued Date : 22/ 06 /2023

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Certificate Id: AITSR-07/23-027 **Date:** 24-07-2023

TO

Abdul Azeez Shaik

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. ABDUL AZEEZ SHAIK** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

He has delivered good results and we appreciate his sincere learning throughout the training period.

For Ekalavya Innovative Solutions Pvt. Ltd.

Director / Authorised Signatory

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Certificate Id: AITSR-07/23-028 **Date:** 24-07-2023

TO

Abdul Latheef Shaik

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. ABDUL LATHEEF SHAIK** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Arif Shaik

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. ARIF SHAIK** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Balaji Anumala

Annamacharya Institute of Technology & Sciences

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This is to certify that **Mr. BALAJI ANUMALA** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Guru Dhanush Mothukuri

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INTERNSHIP CERTIFICATE

This is to certify that **Mr. GURU DHANUSH MOTHUKURI** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Harsha Nandini Peddireddy

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This is to certify that **Ms. HARSHA NANDINI PEDDIREDDY** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-032 **Date:** 24-07-2023

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Adiseshu Pulicherla

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Certificate Id: AITSR-07/23-002 **Date:** 24-07-2023

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Afreen GS

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INTERNSHIP CERTIFICATE

This is to certify that **Ms. AFREEN GS** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Ahamed Karamalla

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This is to certify that **Mr. AHAMED KARAMALLA** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Baba Farooq Syed

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. BABA FAROOQ SYED** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-035 **Date:** 24-07-2023

TO

Bharath Kumar Varimadugu

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This is to certify that **Mr. BHARATH KUMAR VARIMADUGU** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-036 **Date:** 24-07-2023

TO

Charan Kumar Reddy Bhumi Reddy

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. CHARAN KUMAR REDDY BHUMI REDDY** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-003 **Date:** 24-07-2023

TO

Charitha Sree Amanchi

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. CHARITHA SREE AMANCHI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-004 **Date:** 24-07-2023

TO

Devayani Sana

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

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Certificate Id: AITSR-07/23-037 **Date:** 24-07-2023

TO

Geethesh P

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. GEETHESH P** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Gopalakrishna Pujari

Annamacharya Institute of Technology & Sciences

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This is to certify that **Mr. GOPALAKRISHNA PUJARI** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Gowthami K

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This is to certify that **Ms. GOWTHAMI K** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Murali Krishna K

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Certificate Id: AITSR-07/23-006 **Date:** 24-07-2023

TO

Neeraja Parimi

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. NEERAJA PARIMI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

She has delivered good results and we appreciate her sincere learning throughout the training period.

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Certificate Id: AITSR-07/23-040 **Date:** 24-07-2023

TO

Anitha Kumari Vangipuram

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This is to certify that **Mr. ANITHA KUMARI VANGIPURAM** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-041 **Date:** 24-07-2023

TO

Lakshmi Narasimha Vasi

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This is to certify that **Mr. LAKSHMI NARASIMHA VASI** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Naga Sai Tharun Katakam

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Certificate Id: AITSR-07/23-043 **Date:** 24-07-2023

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Nagaraju Kommu

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Padmaja Nuka

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This is to certify that **Ms. PADMAJA NUKA** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-008 **Date:** 24-07-2023

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Pavithra Konudala

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This is to certify that **Ms. PAVITHRA KONUDALA** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Penchalamma Manda

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This is to certify that **Ms. PENCHALAMMA MANDA** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Shreya Gevireddygari

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This is to certify that **Ms. SHREYA GEVIREDDYGARI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Snehalatha Reddy Yarradoddi

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This is to certify that **Ms. SNEHALATHA REDDY YARRADODDI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Sree Nikhitha Reddy Sunkugari

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This is to certify that **Ms. SREE NIKHITHA REDDY SUNKUGARI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-013 **Date:** 24-07-2023

TO

Sree Ranga Vyshnavi Dharmavaram
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This is to certify that **Ms. SREE RANGA VYSHNAVI DHARMAVARAM** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

Sujatha Gollagurivigari

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This is to certify that **Ms. SUJATHA GOLLAGURIVIGARI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Supriya Gunipati

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SUSHMA ADLURI

Annamacharya Institute of Technology & Sciences

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Sushma Seeli

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SWETHA CHENCHUGALLA

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SWETHA PEDDIREDDY

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TEJASWINI MEESALA

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Tejaswini Uppalapati

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This is to certify that **Ms. TEJASWINI UPPALAPATI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

She has delivered good results and we appreciate her sincere learning throughout the training period.

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For Ekalavya Innovative Solutions Pvt. Ltd.

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TO

VAISHALYA LEVIDI

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. VAISHALYA LEVIDI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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TO

VANDHANA SIRISETTY

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. VANDHANA SIRISETTY** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-024 **Date:** 24-07-2023

TO

VARSHITHA A

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. VARSHITHA A** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-044 **Date:** 24-07-2023

TO

Venkat Golla

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. VENKAT GOLLA** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-045 **Date:** 24-07-2023

TO

Venkata Hemanth Achukatla

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. VENKATA HEMANTH ACHUKATLA** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-046 **Date:** 24-07-2023

TO

Venkata Karthik Maduru

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. VENKATA KARTHIK MADURU** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-025 **Date:** 24-07-2023

TO

Venkata Varshitha Varada

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. VENKATA VARSHITHA VARADA** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-047 **Date:** 24-07-2023

TO

Venkateswarlu Jennevale

Annamacharya Institute of Technology & Sciences

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This is to certify that **Mr. VENKATESWARLU JENNEVALE** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-026 **Date:** 24-07-2023

TO

Vijaya Lakshmi Nayakanti

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Ms. VIJAYA LAKSHMI NAYAKANTI** successfully completed her internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found her, extremely inquisitive and hard working. She was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-048 **Date:** 24-07-2023

TO

Yasho Vardhan Reddy Takkoli

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. YASHO VARDHAN REDDY TAKKOLI** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Certificate Id: AITSR-07/23-049 **Date:** 24-07-2023

TO

Sreenivasulu Dinnemeedi

Annamacharya Institute of Technology & Sciences

INTERNSHIP CERTIFICATE

This is to certify that **Mr. SREENIVASULU DINNEMEEDI** successfully completed his internship on "**Real-Time Industrial Solutions and Analysis In Analog Circuits Design**" at **Ekalavya Innovative Solutions Pvt. Ltd.,** from 01/06/2023 to 24/07/2023. During this period, we found him, extremely inquisitive and hard working. He was very much interested to learn and willing to put her best efforts and get into the depth of the subject to understand it better.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **AJITHA KOLLA**, bearing roll number 21701A0406, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

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040-24228229 www.techfluent.in sales@techfluent.in

Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **ALISHA THONDURU**, bearing roll number 21701A0407, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **AMITHA CHOWDARI MORUSU**, bearing roll number 21701A0408, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

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This is to certify that Mr./Ms. **ANITHA REDDY KANCHAMREDDY**, bearing roll number 21701A0410, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **ANKITHA CHANDAVARI**, bearing roll number 21701A0411, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **APARNA GUNTAKANTI**, bearing roll number 21701A0412, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **APARNA MUDDANALALI GARI**, bearing roll number 21701A0413, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **BHANU SAI MANJULA**, bearing roll number 21701A0416, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **BHANU TEJA BHUMI REDDY**, bearing roll number 21701A0417, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **BHARGAVI PAGIDELA**, bearing roll number 21701A0420, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

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This is to certify that Mr./Ms. **BHAVANI JOKA**, bearing roll number 21701A0421, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **CHAKRADHAR PATHURU**, bearing roll number 21701A0422, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

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This is to certify that Mr./Ms. **CHAKRAPANI REDDY BANDI**, bearing roll number 21701A0423, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **CHANDANA PRIYA CHAPPALI**, bearing roll number 21701A0424, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **CHANDRIKA KALANGI**, bearing roll number 21701A0426, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **CHITHRA GANIPINENI**, bearing roll number 21701A0429, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **DAKSHAYANI JURUKU**, bearing roll number 21701A0430, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **DEEKSHITHA KUPPANNAGARI**, bearing roll number 21701A0431, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **DIVYASRI MYLAGANI**, bearing roll number 21701A0434, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **DWARAKANATH REDDY VALLAPU REDDY**, bearing roll number 21701A0435, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **FARHANA BHANU SHAIK**, bearing roll number 21701A0437, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **FATIMA JABEEN SHAIK**, bearing roll number 21701A0438, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **GANGA BHAVANI BOMMAVARAM**, bearing roll number 21701A0440, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **GAYATHRI NALAMARU**, bearing roll number 21701A0441, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HARI PRASAD MUKKAMALLA**, bearing roll number 21701A0445, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HARI PRIYA KUNCHAM**, bearing roll number 21701A0446, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HARITHA ETTA**, bearing roll number 21701A0448, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HARSHAVARDHAN DHANASI**, bearing roll number 21701A0450, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HARSHAVARDHAN NARASAPURAM**, bearing roll number 21701A0451, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **HARSHITH SAI KATAM**, bearing roll number 21701A0452, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HARSHITHA GONGATI**, bearing roll number 21701A0453, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **HEMA GADHAMSETTY**, bearing roll number 21701A0454, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **HIMAVARSHINI BAPANAPALLI**, bearing roll number 21701A0455, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **ASHOK KUMAR PUNJA**, bearing roll number 22705A0404, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **JHANSI PATTIPATI**, bearing roll number 21701A0459, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **LAKSHMI PRASANNA VENNAPUSA**, bearing roll number 21701A0470, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **MANASA BHUSUPALLI**, bearing roll number 21701A0481, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **MANSOOR BASHA DUDEKULA**, bearing roll number 21701A0484, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **JAHNAVI PATTEM**, bearing roll number 22705A0414, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **JERUSHA MURATHOTI**, bearing roll number 22705A0415, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **NAGA SUJANI YARASANI**, bearing roll number 22705A0420, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **PAVANI KADIRI**, bearing roll number 22705A0422, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SREENATH DANDE**, bearing roll number 21701A04G7, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **SREENIVASULU TUNTI**, bearing roll number 21701A04G8, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

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This is to certify that Mr./Ms. **SRINATH URLA**, bearing roll number 21701A04G9, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SRINIVASULU AVULA POLU**, bearing roll number 21701A04H0, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SRINIVASULU PENUMULA**, bearing roll number 21701A04H1, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SRITEJA ALLU**, bearing roll number 21701A04H2, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SUDHARSHAN GUDIMI**, bearing roll number 21701A04H3, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SUDHARSHAN REDDY KANAPURAM**, bearing roll number 21701A04H4, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SUMANTH SREE KUMAR REDDY MUKKA**, bearing roll number 21701A04H6, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SUNITH KUMAR KOPPERA**, bearing roll number 21701A04H7, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SURENDRA POTHUBOYINA**, bearing roll number 21701A04H9, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SURESH BABU BHUMIREDDY**, bearing roll number 21701A0410, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SURYASHANKARAVARA PRASAD GUNDE**, bearing roll number 21701A0411, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SUSHANTH CHEPPALIGANDLA**, bearing roll number 21701A04I2, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **THIRUMALESU KURUBHA**, bearing roll number 21701A0419, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **UDAY KIRAN KADIDASARI**, bearing roll number 21701A04J0, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **UPESH RAYUDU MELLAMPUTI**, bearing roll number 21701A04J2, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **VASU JANGITI**, bearing roll number 21701A04J6, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **VEERA VENKATA MADHAVA VARMA MANDARAPU**, bearing roll number 21701A04J7, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **VENKATA SUNEEL OBULAM**, bearing roll number 21701A04K3, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **VISHNU GAYATHRI BAPANAPALLE**, bearing roll number 21701A04L2, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **VISHNU VARDHAN SESHUGALLA**, bearing roll number 21701A04L4, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **VISHNUVARDHAN ROKKARUKALA**, bearing roll number 21701A04L5, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **VISWANATH REDDY KUMMETHA**, bearing roll number 21701A04L6, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **YASASWINI DARA**, bearing roll number 21701A04L7, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **YASWANTH DUGGULURU**, bearing roll number 21701A04L9, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **YASWANTH KRISHNA CHENNABOINA**, bearing roll number 21701A04M0, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **YASWANTH YERRA VENKATAPPAGARI**, bearing roll number 21701A04M1, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **ZEENATH HUNNISHA SHAIK**, bearing roll number 21701A04M2, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SUPRIYA GOURU**, bearing roll number 22705A0430, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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This is to certify that Mr./Ms. **SURENDRA MADDHURU**, bearing roll number 22705A0431, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

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Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **VENKATA REVANTH KUMAR KOPPARAPU**, bearing roll number 22705A0432, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

For TechFLUENT Solutions Pvt. Ltd.,

TECHFLUENT Solutions Pvt. Ltd. Hyderabad

Techfluent Solutions Private Limited
12-1-2/3, 2nd Floor, Srinivasa Colony, Opp: PMR Convention,
Nagole - Bandlaguda Main Road, Hyderabad - 500068, Telangana.
040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT
Solutions Pvt. Ltd.

Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **WAFIKA SINGARAJU**, bearing roll number 22705A0433, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

For TechFLUENT Solutions Pvt. Ltd.,

TECHFLUENT Solutions Pvt. Ltd. Hyderabad

Techfluent Solutions Private Limited
12-1-2/3, 2nd Floor, Srinivasa Colony, Opp: PMR Convention,
Nagole - Bandlaguda Main Road, Hyderabad - 500068, Telangana.
040-24228229 www.techfluent.in sales@techfluent.in

Date: 24/06/2023.

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr./Ms. **YATHISWAR REDDY KORA**, bearing roll number 22705A0434, student of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his/her industrial internship in the field of Digital System Design using HDL from 27.04.2023 to 23.06.2023.

During his/her tenure, we found him/her active and competent in executing all the assigned tasks and his/her services were found to be satisfactory. We wish him/her great success in his/her future endeavours.

For TechFLUENT Solutions Pvt. Ltd.,

TECHFLUENT Solutions Pvt. Ltd. Hyderabad

Techfluent Solutions Private Limited
12-1-2/3, 2nd Floor, Srinivasa Colony, Opp: PMR Convention,
Nagole - Bandlaguda Main Road, Hyderabad - 500068, Telangana.
040-24228229 www.techfluent.in sales@techfluent.in

Roll Number: 21701A3023

Certificate No: ACET23019

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Bonam Hemanthini,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with B Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP
APSSDC

Indo-Euro
Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3020

Certificate No: ACET23032

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Dudekula Hameed,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with B Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP
APSSDC

Indo-Euro
Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3055

Certificate No: ACET23058

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Konduru Rishitha,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with A Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3012

Certificate No: ACET23073

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Konnipati Devi Sri,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with B Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3039

Certificate No: ACET23091

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Nagineni Madhu Sri,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with B Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3078

Certificate No: ACET23095

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Patan Tasneem,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with A+ Grade in "Certification on Emerging Technologies - **Data Science**" During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3073

Certificate No: ACET23097

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Paluru Sujitha,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with A+ Grade in "Certification on Emerging Technologies - **Data Science**" During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3030

Certificate No: ACET23098

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Pamisetty Kethana,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with B Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP
APSSDC

Indo-Euro
Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3071

Certificate No: ACET23146

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Vemulapati Sudheer,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with A Grade in

"Certification on Emerging Technologies - Data Science"

During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Roll Number: 21701A3095

Certificate No: ACET23011

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF Achievement

This Certificate is Presented for Honorable Achievement to

Mr./Ms.Avvari Yashaswini,

Annamacharya Institute of Technology and Sciences

For Successfully completing the Internship with A+ Grade in "Certification on Emerging Technologies - **Data Science**" During April to October – 2023

Sessions conducted by Industry and International Partners

Certification & Knowledge Partners:

Skill AP APSSDC

Indo-Euro Synchronization Pvt Ltd
Education and Research Resources

Managing Director
Indo-Euro Synchronization

Date: 30-08-2022

Dr. SMV Narayana
Annamacharya Institute of Technology & Sciences
New Boyanapalli, Rajampet, Kadapa District
Andhra Pradesh – 516126

Subject: Acceptance of Request for Internship Opportunities for MBA Students

Respected Dr. SMV Narayana,

We appreciate your interest in establishing a collaborative partnership between Annamacharya Institute of Technology & Sciences, Rajampet, and Zielhoch Consultancy for providing internship opportunities to MBA students.

We are delighted to accept your proposal and look forward to welcoming your students as interns at Zielhoch Consultancy. Our organization values the opportunity to contribute to the academic and professional development of students, and we are confident that this collaboration will be mutually beneficial.

Our selection process involves a comprehensive assessment to ensure that the interns align with our organizational goals and the specific needs of our projects. The process will include the following steps:

1. **Application Submission:** Interested students will be required to submit their resumes and cover letters outlining their career aspirations and relevant skills.
2. **Shortlisting:** Based on the submitted applications, we will shortlist candidates whose profiles closely match our internship requirements.
3. **Interviews:** Shortlisted candidates will undergo interviews to assess their communication skills, problem-solving abilities, and alignment with Zielhoch Consultancy's values.
4. **Final Selection**: The final selection will be based on a holistic evaluation of the candidates' academic background, interpersonal skills, and potential contribution to our projects.

We are excited about the prospect of working with the talented MBA students from Annamacharya Institute of Technology & Sciences, Rajampet, and we believe that this collaboration will provide them with a valuable opportunity to apply their academic knowledge in a practical setting.

To initiate the next steps, we propose scheduling a meeting to discuss the specific details, including the commencement date, duration of the internship, and any additional requirements. Please let us know your availability so that we can coordinate accordingly.

Thank you once again for considering Zielhoch Consultancy for this collaboration. We look forward to a fruitful partnership and a rewarding internship experience for your students.

Best regards,

Himalay Shetty
Director
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear K.Ahalya- 21701E0001
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & Finance

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear Patan Arifulla- 21701E0005
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & HR

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear V.Jayasurya- 21701E0015
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & Finance

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear Arcot Jyotsna- 21701E0018
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & Finance

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear OP Karthik Reddy- 21701E0021
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & Finance

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear Fateh Khan Lodi- 21701E0022
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & Finance

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear D.Lakshmi Narasimha Raju- 21701E0025
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & HR

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 01 Oct 2022
Dear K.Manasa- 21701E0035
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

OFFER LETTER

Date: 10 Oct 2022
Dear P.Mounika- 21701E0041
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & HR

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

OFFER LETTER

Date: 10 Oct 2022
Dear P.Soundarya- 21701E0070
College Name - Annamacharya Institute of Technology & Sciences

On behalf of **Ziehloch**, we are pleased to offer you the position of Intern with our company. Hope you will perform your best. All of us at **Zielhoch** are excited that you would be joining our team!

Please find below details regarding your internship:

Department : Marketing & Finance

Date of Joining: 10 Oct 2022

Office Location: Delhi/Work from Home

For any queries please feel free to write us at **: hr@zielhoch.com**

Best Wishes!!

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Ms. K.Ahalya** in appreciation for her successful work as an intern in **Zielhoch** Company.

She has completed her Winter Internship with project title **"Marketing Strategies And Investment Analysis " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are her original work.
We hereby certify her work satisfactory to the best of our knowledge.

We wish her all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Mr. P.Arifulla** in appreciation for his successful work as an intern in **Zielhoch** Company.

He has completed his Winter Internship with project title **"Marketing Strategies And HR Activities" u**nder the guidance of **Mr. Chinmay Tiwari.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are his original work.
We hereby certify his work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Mr. V.Jayasurya** in appreciation for his successful work as an intern in **Zielhoch** Company.

He has completed his Winter Internship with project title **"Marketing Strategies And Investment Analysis " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are his original work.
We hereby certify his work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

12th Floor, RG Trade Tower, Netaji Subash Place, Pitampura, New Delhi-110034
Email: info@zielhoch.com | Web: www.zielhoch.com | Tel: +91-11-40115930

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Ms**. **A.Jyothsna** in appreciation for her successful work as an intern in **Zielhoch** Company.

She has completed her Winter Internship with project title **"Marketing Strategies And Investment Analysis " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are her original work.
We hereby certify her work satisfactory to the best of our knowledge.

We wish her all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Mr. OP.Karthik Reddy** in appreciation for his successful work as an intern in **Zielhoch** Company.

He has completed his Winter Internship with project title **"Marketing Strategies And Investment Analysis " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are his original work.
We hereby certify his work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Mr. Fateh Khan Lodi** in appreciation for his successful work as an intern in **Zielhoch** Company.

He has completed his Winter Internship with project title **"Marketing Strategies And Investment Analysis " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are his original work.
We hereby certify his work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Mr. D.Lakshmi Narasimha Raju** in appreciation for his successful work as an intern in **Zielhoch** Company.

He has completed his Winter Internship with project title **"Marketing Strategies And HR Activities" under the guidance of Mr. Chinmay Tiwari.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are his original work.
We hereby certify his work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

ZIELHOCH
Together Let's Aim For High

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

12th Floor, RG Trade Tower, Netaji Subash Place, Pitampura, New Delhi-110034
Email: info@zielhoch.com | Web: www.zielhoch.com | Tel: +91-11-40115930

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Ms. K.Manasa** in appreciation for her successful work as an intern in **Zielhoch** Company.

She has completed her Winter Internship with project title **"Marketing Strategies " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are her original work.
We hereby certify her work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

12th Floor, RG Trade Tower, Netaji Subash Place, Pitampura, New Delhi-110034
Email: info@zielhoch.com | Web: www.zielhoch.com | Tel: +91-11-40115930

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Ms. P.Mounika** in appreciation for her successful work as an intern in **Zielhoch** Company.

She has completed her Winter Internship with project title **"Marketing Strategies And HR Activities" under the guidance of Mr. Chinmay Tiwari..** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are her original work.
We hereby certify her work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

ZIELHOCH
Together Let's Aim For High

CERTIFICATE OF COMPLETION

Date: 10 Dec 2022

This certificate is awarded to **Ms. P.Soundarya** in appreciation for her successful work as an intern in **Zielhoch** Company.

She has completed her Winter Internship with project title **"Marketing Strategies And Investment Analysis " u**nder the guidance of **Mr. Harshit Agarwal.** The project duration is from **10 Oct 2022** to **10 Dec 2022**. The Internship location is **Delhi-NCR/Work from Home**.

The internship assessment fulfils the stated criteria and findings are her original work.
We hereby certify her work satisfactory to the best of our knowledge.

We wish him all the best for future endeavours.

Warm Regards

(Authorized Signatory)
HUMAN RESOURCE
Zielhoch

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

CIN: U80902TN2021PTC141464

www.pantechelearning.com

PANHYD/Intern/2021-2022/EV101

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. KONDIPATI BALAJI,** Roll Number – **(17701A0206),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis Of A Zero Voltage Switching CUK Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

EnFlare TECHNOLOGIES
Collaborate | Innovate | Accelerate

© +91-7396 425425, 6309 241401

5th November, 2021

Ref.ID: EFTINP62

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Nidiginti Sai Krishna (17701A0249)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES * NELLORE-524004 *

Venkata Sarath Panathula
CTO & Co-Founder

D.No: 25-3-789, Nethaji Nagar, Podalakur Road
Nellore-524 004

www.enflare.in

info@enflare.in

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+91-7396 425425, 6309 241401

5th November, 2021

Ref.ID: EFTINP63

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Sirigireddy Aishwarya (18701A0201)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavors!

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CTO & Co-Founder

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PANHYD/Intern/2021-2022/PE135

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Amulya Salva,** Roll Number – **(18701A0202),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/PE136

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Anitha Hasthi,** Roll Number – **(18701A0203),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP64

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Arun Kumar (18701A0204)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/PE137

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. GORUVA BHUVANESWARI,** Roll Number – **(18701A0206),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP65

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Avula Chakravarthi (18701A0207)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/RE147

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. CHANDRIKA RACHAMALLU,** Roll Number – **(18701A0208),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Grid Interactive Induction Motor Driven Solar Water Pumping System"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16

for **Srinivasan.N**

(Branch Manager)

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PANHYD/Intern/2021-2022/PE138

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. DEEPIKA POLISETTY,** Roll Number – **(18701A0210),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP66

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Yerramala Diwakar (18701A0213)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP67

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Ganji Durga Prasad (18701A0214)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/EV102

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. FAROOK SHAIK CHIRAKI,** Roll Number – **(18701A0215),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis Of A Zero Voltage Switching CUK Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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Ref.ID: EFTINP68

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. M.Gnaneswarareddy (18701A0218)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP69

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Chagari Govardhan Reddy (18701A0219)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP70

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Haripriya Avula (18701A0220)** from Annamacharya Institute of Technology & Sciences **(Autonomous)**, Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish her all the best in her future endeavors!

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PANHYD/Intern/2021-2022/EV103

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Harshavardhan Reddy Vennapusa,** Roll Number–**(18701A0221),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis Of A Zero Voltage Switching CUK Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV104

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. KALYAN KUMAR REDDY PUTTA,** Roll Number –**(18701A0222),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"The Buck converter Controlled By PWM Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV105

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. KARTHIK HARIVARAM,** Roll Number – **(18701A0223),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"The Buck converter Controlled By PWM Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

for **Srinivasan.N**

(Branch Manager)

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PANHYD/Intern/2021-2022/EV106

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Kishore Gopavaram,** Roll Number – **(18701A0224),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"The Buck converter Controlled By PWM Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

for **Srinivasan.N**

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP71

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Desai Madhusree (18701A0229)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavors!

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CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP72

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Kovvuru Mahitha (18701A0230)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavors!

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5th November, 2021

Ref.ID: EFTINP73

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Ullithula Mallikarjuna (18701A0231)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP74

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Polisetty Manasa (18701A0232)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavors!

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PANHYD/Intern/2021-2022/EV107

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Manoj Kumar Odeti,** Roll Number – **(18701A0233),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for
Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP75

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Shaik Mohammed Sameer (18701A0234)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Nagaveni Panjam,** Roll Number – **(18701A0235),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Speed Control Of Solar Water Pumping With PWM Control Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP76

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Gurrala Narasimha Dinakar (18701A0236)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP77

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Kotte Pawan Kumar Reddy (18701A0238)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP78

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Avulabalaiahgari Pragna (18701A0239)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP79

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. K.Praveen Kumar (18701A0240)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP80

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Valmiki Prem Kumar (18701A0241)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP81

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Devireddy Rachana (18701A0242)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP82

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Konduru Raja Sekhar Raju (18701A0243)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP83

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Dhanireddy Ramya Sree (18701A0244)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Konanki Ranganath (18701A0245)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP85

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Chittiboina Sai Anand Kumar (18701A0246)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Sai Kumar Sambagallu (18701A0247)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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This letter certifies that **Mr. H.Sai Prathap Reddy (18701A0248)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP88

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. B P Sai Surya Teja (18701A0249)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP89

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This letter certifies that **Mr. Tallaprodduturu Gurram Sashikumar (18701A0252)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP90

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Meda Shalini (18701A0254)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP91

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Sindhuja Tummala (18701A0256)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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PANHYD/Intern/2021-2022/EV108

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Sireesha Madiga,** Roll Number – **(18701A0257),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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Ref.ID: EFTINP92

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Battena Sivasankar Reddy (18701A0258)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP93

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Eppagunta Sowmya (18701A0259)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP94

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Kommalapati Sricharan (18701A0261)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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This is to certify that **Mr. / Ms. Srilakshmi Vennapusa,** Roll Number – **(18701A0262),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Development Of Dc To Single-Phase Ac Voltage Source Inverter With Active Power Decoupling Based On Flying Capacitor Dc/Dc Converter"** and has submitted the report.

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Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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This letter certifies that **Ms. Balaraju Sujanaveena (18701A0263)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP96

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Bapathi Sunil Kumar Reddy (18701A0264)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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Ref.ID: EFTINP97

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Battu Surekha (18701A0265)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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This is to certify that **Mr. / Ms. SUREKHA KICHAIAHGARI,** Roll Number – **(18701A0266),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Grid Interactive Induction Motor Driven Solar Water Pumping System"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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This letter certifies that **Ms. Yalamakuru Swarna Latha (18701A0267)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavors!

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CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP99

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Palempalli Tejaswi (18701A0268)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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5th November, 2021

Ref.ID: EFTINP100

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Hasthi Tejaswini (18701A0269)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish her all the best in her future endeavors!

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5th November, 2021

Ref.ID: EFTINP101

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Sangaraju Vamsi Krishnam Raju (18701A0270)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/EV110

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TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Vara Lakshmi Juturu,** Roll Number – **(18701A0271),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Highly Efficient And Compact SEPIC-Boost-Fly-back Integrated Converter With Multiple Outputs"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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Ref.ID: EFTINP102

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Beemacherla Venkata Koti Reddy (18701A0272)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP103

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Mylaru Venkata Nikhil Kumar (18701A0273)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP104

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Sandhyavandanam Venkata Sai Preethi (18701A0274)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish her all the best in her future endeavors!

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PANHYD/Intern/2021-2022/EV132

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This is to certify that **Mr. / Ms. Avula Venkata Sudharshan Yadav,** Roll Number – **(18701A0275),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Bidirectional High Voltage Conversion Ratio Dc/Dc Converter With Full ZVS Range"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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Ref.ID: EFTINP105

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Venkatesh Dasari (18701A0276)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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Ref.ID: EFTINP106

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Bandi Vijaya Deepthi (18701A0278)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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We wish her all the best in his future endeavors!

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Ref.ID: EFTINP107

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Thallem Vinisha (18701A0280)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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We wish her all the best in his future endeavors!

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Ref.ID: EFTINP108

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Vishnuvardhan Reddy Maditati (18701A0281)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

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We wish him all the best in his future endeavors!

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Ref.ID: EFTINP109

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Lekireddy Yogeswara Reddy (18701A0282)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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Ref.ID: EFTINP110

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Uddandam Balaji (18709A0201)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/EV111

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Chaitanya Krishna Avula,** Roll Number – **(18709A0202),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Highly Efficient And Compact SEPIC-Boost-Fly-back Integrated Converter With Multiple Outputs"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP111

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Sai Bharath Ganapathi (18709A0203)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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CTO & Co-Founder

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This is to certify that **Mr. / Ms. SIREESHA NARA,** Roll Number – **(18709A0204),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Speed Control Of Solar Water Pumping With PWM Control Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV112

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Tulasi Reddy Bandi,** Roll Number – **(18709A0205),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Highly Efficient And Compact SEPIC-Boost-Fly-back Integrated Converter With Multiple Outputs"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP112

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. A Vamshidhar Reddy (18709A0206)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP113

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. A.Venkatacharan (18709A0207)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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Ref.ID: EFTINP114

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Venkata Vamsi Krishna (18709A0208)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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Ref.ID: EFTINP115

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Lakkireddy Dinesh Kumar Reddy (19700A0201)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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Venkata Sarath Panathula
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5th November, 2021

Ref.ID: EFTINP116

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Guggulla Gangadhara Reddy (19700A0202)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP117

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Nallani Govardhan (19700A0203)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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CTO & Co-Founder

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Ref.ID: EFTINP118

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Jyothsna P (19700A0204)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in his future endeavors!

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CTO & Co-Founder

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PANHYD/Intern/2021-2022/EV113

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Mahesh Telladala,** Roll Number – **(19700A0205),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Unidirectional Single-Stage Three-Phase Soft-Switched Isolated Dc-Ac Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

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PANHYD/Intern/2021-2022/EV114

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Manikanta Yadala,** Roll Number – **(19700A0206),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Unidirectional Single-Stage Three-Phase Soft-Switched Isolated Dc-Ac Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP119

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. P Manikanteswar Reddy (19700A0207)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP120

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. P Mallari Pavan (19700A0208)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/PE141

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Pujitha Nagireddy,** Roll Number – **(19700A0209),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Speed Control Of Solar Water Pumping With PWM Control Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV115

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Purushotham Kummara,** Roll Number – **(19700A0210),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Unidirectional Single-Stage Three-Phase Soft-Switched Isolated Dc-Ac Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

for **Srinivasan.N**

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP121

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Gajjala Sankar Reddy (19700A0211)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Veera Kumar Reddy Nandyala,** Roll Number – **(19700A0212),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Bidirectional High Voltage Conversion Ratio Dc/Dc Converter With Full ZVS Range"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP122

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. P. Vishnu Pavan (19700A0213)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP123

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. G. Vishnu Vardhan (19700A0214)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP124

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Barigela Anil Kumar (19705A0201)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/EV117

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Aravind Kumar Bestha,** Roll Number – **(19705A0202),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Bidirectional High Voltage Conversion Ratio Dc/Dc Converter With Full ZVS Range"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP125

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Pullagura Ashok (19705A0203)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP126

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Dharubaigari Babafakruddin (19705A0204)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP127

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Dudekula Babavali (19705A0205)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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5th November, 2021

Ref.ID: EFTINP128

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Varapana Bharathi (19705A0207)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in his future endeavors!

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PANHYD/Intern/2021-2022/EV118

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Bhargava Goud Kambagouni,** Roll Number – **(19705A0208),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Bidirectional High Voltage Conversion Ratio Dc/Dc Converter With Full ZVS Range"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP129

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Guduru Chandra Sekhar (19705A0209)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/RE149

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. CHARAN BELLAMKONDU,** Roll Number – **(19705A0210),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Grid Interactive Induction Motor Driven Solar Water Pumping System"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE150

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. CHOWDARY KUMAR C,** Roll Number – **(19705A0211),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Grid Interactive Induction Motor Driven Solar Water Pumping System"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV119

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Geetha Vani Karna,** Roll Number – **(19705A0212),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"An Improved Interleaved High Power Fly-back Inverter For Photovoltaic Application"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE151

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. GOWTHAMI CHITTIBOINA,** Roll Number – **(19705A0213),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Novel Interleaved Non-Isolated Ultra High Step-Up Dc-Dc Converter With ZVS Performance"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP130

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Vase Harish Babu (19705A0214)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

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CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP131

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Nadamala Harish Kumar Reddy (19705A0215)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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Venkata Sarath Panathula
CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP132

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Mare Haritha (19705A0216)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in his future endeavors!

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CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP133

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Shaik Harshad (19705A0217)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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CTO & Co-Founder

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PANHYD/Intern/2021-2022/EV120

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Imran Basha Syed,** Roll Number – **(19705A0219),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"An Improved Interleaved High Power Fly-back Inverter For Photovoltaic Application"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV121

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Jashuva Avula,** Roll Number – **(19705A0220),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"An Improved Interleaved High Power Fly-back Inverter For Photovoltaic Application"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP134

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Taticherla Kanchana (19705A0221)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in his future endeavors!

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PANHYD/Intern/2021-2022/RE152

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. KEERTHANA DUGGASANI,** Roll Number – **(19705A0222),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Novel Interleaved Non-Isolated Ultra High Step-Up Dc-Dc Converter With ZVS Performance"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE153

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. KEERTHI BATTALA,** Roll Number – **(19705A0223),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Novel Interleaved Non-Isolated Ultra High Step-Up Dc-Dc Converter With ZVS Performance"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE154

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. LEENA BHANU MIDUTHURU,** Roll Number – **(19705A0224),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Novel Interleaved Non-Isolated Ultra High Step-Up Dc-Dc Converter With ZVS Performance"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE155

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. MADHU PARAMATAVEEDI,** Roll Number – **(19705A0225),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis And Control Of A Novel Transformer-Less Micro Inverter For PV-Grid Interface"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP135

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Nagola Mahesh Kumar (19705A0226)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/RE156

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

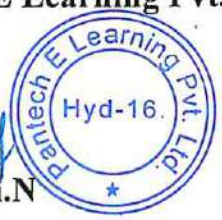
This is to certify that **Mr. / Ms. MAHESWARI KURABA,** Roll Number – **(19705A0227),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis And Control Of A Novel Transformer-Less Micro Inverter For PV-Grid Interface"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,



Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP136

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Vulasala Manikanta (19705A0228)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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PANHYD/Intern/2021-2022/RE167

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. MOUNIKA E,** Roll Number – **(19705A0229),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A Grid Interactive Induction Motor Driven Solar Water Pumping System"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

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Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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PANHYD/Intern/2021-2022/EV122

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

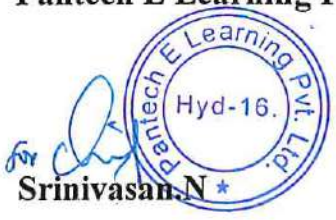
This is to certify that **Mr. / Ms. Muni Sekhar Koppala,** Roll Number – **(19705A0230),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Interleaved-Input Series-Output Ultra High Voltage Gain Dc-Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,



Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE157

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. NANDINI PUJALA,** Roll Number – **(19705A0232),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis And Control Of A Novel Transformer-Less Micro Inverter For PV-Grid Interface"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV123

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Naveen Kumar Pasupuleti,** Roll Number – **(19705A0233),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Interleaved-Input Series-Output Ultra High Voltage Gain Dc-Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV124

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Niteesh Kumar Velluru,** Roll Number – **(19705A0234),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Interleaved-Input Series-Output Ultra High Voltage Gain Dc-Dc Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV125

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Parusuramudu Thalari,** Roll Number – **(19705A0235),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A T-Type Isolated Zero Voltage Switching Dc-Dc Converter With Capacitive Output"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

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5th November, 2021

Ref.ID: EFTINP137

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Bajanthri Pavankumar (19705A0236)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

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CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP138

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. R.V.Pavankumar (19705A0237)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

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Venkata Sarath Panathula
CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP139

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Vadinala Ramakrishna (19705A0238)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

D.No: 25-3-789, Nethaji Nagar, Podalakur Road
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PANHYD/Intern/2021-2022/RE158

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. RAMBABU GANDIKOTA,** Roll Number – **(19705A0239),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Analysis And Control Of A Novel Transformer-Less Micro Inverter For PV-Grid Interface"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

For

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP140

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Mekala Ramesh (19705A0240)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP141

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Yeturu Reddaiah (19705A0241)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

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We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

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5th November, 2021

Ref.ID: EFTINP142

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Ms. Gadibavi Saikalyani (19705A0242)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed her Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, she has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

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PANHYD/Intern/2021-2022/RE159

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SAIKUMAR ATOORI,** Roll Number – **(19705A0243),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Design And Analysis Of High Gain Modified SEPIC Converter For Photovoltaic Applications"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE160

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SANTHOSH KUMAR NEELI,** Roll Number – **(19705A0244),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Design And Analysis Of High Gain Modified SEPIC Converter For Photovoltaic Applications"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

Pantech e Learning
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CIN: U80902TN2021PTC141464

www.pantechelearning.com

PANHYD/Intern/2021-2022/EV126

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Santhosh Kumar Reddy Kondu,** Roll Number – **(19705A0245),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A T-Type Isolated Zero Voltage Switching Dc-Dc Converter With Capacitive Output"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

Pantech eLearning Pvt Ltd.,
4th Floor, Delta Chambers,
Behind Chennai Shopping Mall, Ameerpet, Hyderabad, Telangana 500016
Phone: 91 040 40077960 | hr@pantechmail.com

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

CIN: U80902TN2021PTC141464

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PANHYD/Intern/2021-2022/PE142

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SARALA PIDUGU,** Roll Number – **(19705A0246),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Speed Control Of Solar Water Pumping With PWM Control Technique"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

CIN: U80902TN2021PTC141464

www.pantechelearning.com

PANHYD/Intern/2021-2022/RE161

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

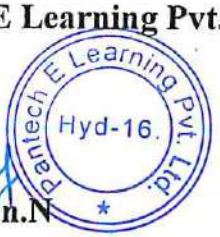
This is to certify that **Mr. / Ms. SHAMEEM SHAIK,** Roll Number – **(19705A0247),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Design And Analysis of High Gain Modified SEPIC Converter For Photovoltaic Applications"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,



for

Srinivasan.N

(Branch Manager)

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CIN: U80902TN2021PTC141464

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PANHYD/Intern/2021-2022/EV127

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Shiva Prakash Reddy Kona,** Roll Number – **(19705A0248),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A T-Type Isolated Zero Voltage Switching Dc-Dc Converter With Capacitive Output"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

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PANHYD/Intern/2021-2022/EV128

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Shiva Shankar Mallela,** Roll Number – **(19705A0249),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Highly Efficient And Compact SEPIC-Boost-Fly-back Integrated Converter With Multiple Outputs"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/PE143

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SIVA SINDHU VUNDELA,** Roll Number – **(19705A0250),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Power Electronic Circuit Based Implementation Of A Solar PV Emulator Using A Power Factor Corrected Buck Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Srinivasan.N

(Branch Manager)

Pantech e Learning
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CIN: U80902TN2021PTC141464
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PANHYD/Intern/2021-2022/EV129

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Sivakoteswar Reddy Komma Balingannagari,** Roll Number – **(19705A0251),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Highly Efficient And Compact SEPIC-Boost-Fly-back Integrated Converter With Multiple Outputs"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/PE144

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SREEKHAR BONALA,** Roll Number – **(19705A0252),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Power Electronic Circuit Based Implementation Of A Solar PV Emulator Using A Power Factor Corrected Buck Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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CIN: U80902TN2021PTC141464

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PANHYD/Intern/2021-2022/RE162

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SUNEELA THEETLA,** Roll Number – **(19705A0253),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Design And Analysis Of High Gain Modified SEPIC Converter For Photovoltaic Applications"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for **Srinivasan.N**

(Branch Manager)

Pantech e Learning
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CIN: U80902TN2021PTC141464

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PANHYD/Intern/2021-2022/EV130

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

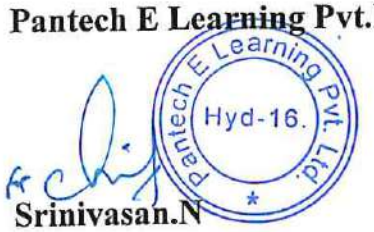
This is to certify that **Mr. / Ms. Surendra Sirigiri,** Roll Number – **(19705A0254),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Highly Efficient And Compact SEPIC-Boost-Fly-back Integrated Converter With Multiple Outputs"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,



Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE163

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. SWATHI MANNURU,** Roll Number – **(19705A0255),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Implementation Of Solar PV Array Fed Induction Motor Driven Water Pump Using Luo Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

Pantech e Learning
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CIN: U80902TN2021PTC141464

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PANHYD/Intern/2021-2022/EV131

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Thayeeb Basha Shaik,** Roll Number – **(19705A0256),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Bidirectional High Voltage Conversion Ratio Dc/Dc Converter With Full ZVS Range"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Srinivasan.N

(Branch Manager)

EnFlare TECHNOLOGIES
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5th November, 2021

Ref.ID: EFTINP143

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Chennamsetty Tirupathi Balaji (19705A0257)** from Annamacharya Institute of Technology & Sciences **(Autonomous)**, Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

D.No: 25-3-789, Nethaji Nagar, Podalakur Road
Nellore-524 004

www.enflare.in

info@enflare.in

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www.pantechelearning.com

PANHYD/Intern/2021-2022/EV133

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Vamseedhar Reddy Vallapu Reddy,** Roll Number – **(19705A0258),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Bidirectional High Voltage Conversion Ratio Dc/Dc Converter With Full ZVS Range"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/RE164

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. VAMSIKRISHNA SAKE,** Roll Number – **(19705A0259),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Implementation Of Solar PV Array Fed Induction Motor Driven Water Pump Using Luo Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16

Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/PE145

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. VEERASAIMOUNIKA PASALA,** Roll Number – **(19705A0260),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Power Electronic Circuit Based Implementation Of A Solar PV Emulator Using A Power Factor Corrected Buck Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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DIGITAL LEARNING SIMPLIFIED

CIN: U80902TN2021PTC141464

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PANHYD/Intern/2021-2022/PE146

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. VENKATADRI GANTA,** Roll Number – **(19705A0261),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Power Electronic Circuit Based Implementation Of A Solar PV Emulator Using A Power Factor Corrected Buck Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

per

Srinivasan.N

(Branch Manager)

Pantech e Learning
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CIN: U80902TN2021PTC141464
www.pantechelearning.com

PANHYD/Intern/2021-2022/EV134

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. Venkataviswam Revilla,** Roll Number – **(19705A0262),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A T-Type Isolated Zero Voltage Switching Dc-Dc Converter With Capacitive Output"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for

Srinivasan.N

(Branch Manager)

Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

CIN: U80902TN2021PTC141464

www.pantechelearning.com

PANHYD/Intern/2021-2022/RE165

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. VIJAYCHANDER DANDUBOYINA,** Roll Number – **(19705A0263),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Implementation Of Solar PV Array Fed Induction Motor Driven Water Pump Using Luo Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

Srinivasan.N

(Branch Manager)

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5th November, 2021

Ref.ID: EFTINP144

TO WHOMSOEVER IT MAY CONCERN

This letter certifies that **Mr. Mala Vishnuvardhan (19705A0264)** from Annamacharya Institute of Technology & Sciences **(Autonomous),** Rajampet has completed his Virtual Internship training program on **INDUSTRIAL INTERNET OF THINGS (IIoT)** at EnFlare Technologies, Nellore from **4th October to 3rd November, 2021**

During this internship, he has worked on NodeMCU, Raspberry pi development boards and has implemented **Smart Home Automation Project using AWS IoT** services.

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavors!

ENFLARE TECHNOLOGIES NELLORE-524004

Venkata Sarath Panathula
CTO & Co-Founder

D.No: 25-3-789, Nethaji Nagar, Podalakur Road
Nellore-524 004

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info@enflare.in

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PANHYD/Intern/2021-2022/RE166

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. / Ms. VISHNUVARDHAN RAJU RUDRARAJU,** Roll Number – **(19705A0265),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Implementation Of Solar PV Array Fed Induction Motor Driven Water Pump Using Luo Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,

Pantech E Learning Pvt. Ltd. Hyd-16.

for
Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/EV135

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

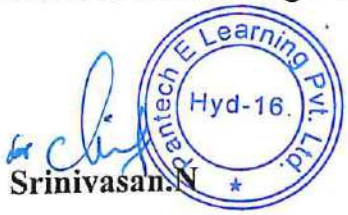
This is to certify that **Mr. / Ms. Yeswanth Kumar Reddy Devara,** Roll Number – **(19705A0266),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"A T-Type Isolated Zero Voltage Switching Dc-Dc Converter With Capacitive Output"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,



Srinivasan.N

(Branch Manager)

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PANHYD/Intern/2021-2022/PE147

COMPLETION CERTIFICATE

TO WHOMSOEVER IT MAY CONCERN

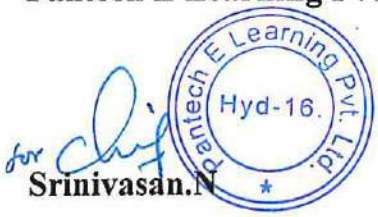
This is to certify that **Mr. / Ms. YUSUF SHAIK,** Roll Number – **(19705A0267),** who is pursuing **Electrical and Electronics Engineering Department** at **Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet** has successfully completed his/her Virtual Internship training program at, **Pantech E Learning Pvt Ltd** on **"Power Electronic Circuit Based Implementation Of A Solar PV Emulator Using A Power Factor Corrected Buck Converter"** and has submitted the report.

During the internship period, the candidate has shown keen interest and commitment towards learning and his/her performance was good.

Period of Internship: From 06.10.2021 to 04.11.2021

Yours truly,

Pantech E Learning Pvt.Ltd,



Srinivasan.N

(Branch Manager)

TECHFLUENT SOLUTIONS PRIVATE LIMITED

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TechFLUENT

Course Certificate

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27th January 2022

Yadavalli Venkata prasad (18701A04F9)

has successfully completed

Three Week online internship course on CMOS VLSI Design conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Dr. Bala Dastagiri Nadhindla
Technical Manager

Sham Kumar
Director

Certificate No: AITS-CVLSID/10

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Course Certificate

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Kummetha Vanitha(18701A04F8)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-CVLSID/9

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27th January 2022

Ramagiri vamsi krishna (18701A04F7)

has successfully completed

Three Week online internship course on CMOS VLSI Design conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-CVLSID/8

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27th January 2022

Kollu Vamsi Krishna(18701A04F6)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Sham Kumar
Director

Certificate No: AITS-CVLSID/7

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27th January 2022

AMAMCHERLA VAISHNAVI(18701A04F5)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Sham Kumar
Director

Certificate No: AITS-CVLSID/6

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K.Aparna (19705A0401)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/40

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Course Certificate

Verify details at

27th January 2022

K.CHANDRA SEKHAR (19705A0404)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/43

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27th January 2022

GOSALA CHARAN KUMAR(19705A0405)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

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G.Lakshmi prasanna (19705A0407)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/45

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Verify details at

27th January 2022

Bujireddy Varshith Reddy(17701A04F2)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/74

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Course Certificate

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Nelapati Sai Prasanna (18701A04B7)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-FPGA-21

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Course Certificate

Verify details at

27th January 2022

Chavva Sathwika (18701A04B9)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-FPGA-22

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Bandi Shilpa (18701A04C1)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

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G Shirisha (18701A04C2)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Course Certificate

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sunkesula shylu (18701A04C4)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Director

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TechFLUENT

Course Certificate

Verify details at

27th January 2022

Rahul Naik V (18701A04A0)

has successfully completed

Three Week online internship course on Internet of Things & Embedded Systems conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

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Director

Certificate No: AITS-IOT-EM/7

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TechFLUENT

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Rahul U K (18701A04A2)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Director

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Goparaju Revanthraju(18701A04A8)

has successfully completed

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Director

Certificate No: AITS-IOT-EM/14

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TechFLUENT

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Kuruba Rohini (18701A04A9)

has successfully completed

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Technical Manager

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Sham Kumar
Director

Certificate No: AITS-IOT-EM/15

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TechFLUENT

Course Certificate

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BHUMI REDDY SUCHARITHA (18701A04D8)

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Technical Manager

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Certificate No: AITS-IOT-EM/35

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Dr. Bala Dastagiri Nadhindla
Technical Manager

Sham Kumar
Director

Certificate No: AITS-CVLSID/10

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Sham Kumar
Director

Certificate No: AITS-CVLSID/9

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Course Certificate

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Ramagiri vamsi krishna (18701A04F7)

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Certificate No: AITS-CVLSID/8

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Course Certificate

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Kollu Vamsi Krishna(18701A04F6)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-CVLSID/7

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Course Certificate

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AMAMCHERLA VAISHNAVI(18701A04F5)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-CVLSID/6

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Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/40

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Technical Manager

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Director

Certificate No: AITS-ESD/43

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GOSALA CHARAN KUMAR(19705A0405)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/44

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Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/45

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Bujireddy Varshith Reddy(17701A04F2)

has successfully completed

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Technical Manager

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Sham Kumar
Director

Certificate No: AITS-ESD/74

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TechFLUENT

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Nelapati Sai Prasanna (18701A04B7)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-FPGA-21

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Chavva Sathwika (18701A04B9)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-FPGA-22

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Bandi Shilpa (18701A04C1)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-FPGA-23

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27th January 2022

G Shirisha (18701A04C2)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Sham Kumar
Director

Certificate No: AITS-FPGA-24

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Course Certificate

Verify details at

27th January 2022

sunkesula shylu (18701A04C4)

has successfully completed

Three Week online internship course on FPGA Design conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Sham Kumar
Director

Certificate No: AITS-FPGA-25

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Course Certificate

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27th January 2022

Rahul Naik V (18701A04A0)

has successfully completed

Three Week online internship course on Internet of Things & Embedded Systems conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-IOT-EM/7

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Rahul U K (18701A04A2)

has successfully completed

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

Certificate No: AITS-IOT-EM/9

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Goparaju Revanthraju(18701A04A8)

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Technical Manager

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Sham Kumar
Director

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Kuruba Rohini (18701A04A9)

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Technical Manager

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Sham Kumar
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27th January 2022

BHUMI REDDY SUCHARITHA (18701A04D8)

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Dr. Bala Dastagiri Nadhindla
Technical Manager

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Sham Kumar
Director

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27th January 2022

Rahul Naik V (18701A04A0)

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Sham Kumar
Director

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Verify details at

27th January 2022

Rahul U K (18701A04A2)

has successfully completed

Three Week online internship course on Internet of Things & Embedded Systems conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Sham Kumar
Director

Certificate No: AITS-IOT-EM/9

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Course Certificate

Verify details at

27th January 2022

Goparaju Revanthraju(18701A04A8)

has successfully completed

Three Week online internship course on Internet of Things & Embedded Systems conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

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Director

Certificate No: AITS-IOT-EM/14

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TechFLUENT

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Kuruba Rohini (18701A04A9)

has successfully completed

Three Week online internship course on Internet of Things & Embedded Systems conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

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Certificate No: AITS-IOT-EM/15

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TechFLUENT

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BHUMI REDDY SUCHARITHA (18701A04D8)

has successfully completed

Three Week online internship course on Internet of Things & Embedded Systems conducted by TechFLUENT Solutions Pvt. Ltd, Hyderabad at AITS RAJAMPETA from 22-11-2021 To 11-12-2021.

Dr. Bala Dastagiri Nadhindla
Technical Manager

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Sham Kumar
Director

Certificate No: AITS-IOT-EM/35

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Roll No. 20701A3001 Cert No. ACET22122

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Shaik Afreen

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

During March to August – 2022

Sessions conducted by Industry and International Partners

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Education and Research Resources

Hochschule Kempten
University of Applied Sciences

V.V.N Raj
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3002 Cert No. ACET22123

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Shaik Aftab

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

During March to August – 2022

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Certification & Knowledge Partners:

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V.V.N Raj
CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3003 Cert No. ACET22124

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Kudumula Amrutha Sree

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3004 Cert No. ACET22125

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Borugu Anand

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

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S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3005 Cert No. ACET22126

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. B.Apoorveprazwalkumar

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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Managing Director
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Roll No. 20701A3019 Cert No. ACET22140

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Guligorla Kiran Kumar

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3028 Cert No. ACET22149

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Shaik Nayab Rasool

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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CEO
Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3030 Cert No. ACET22151

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Bandi Nikitha Reddy

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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Indo-Euro Synchronization

S. Satyanarayana, IAS
Managing Director
APSSDC

Roll No. 20701A3034 Cert No. ACET22155

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Guniganappa Gari Prashanth

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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Managing Director
APSSDC

Roll No. 20701A3040 Cert No. ACET22161

Andhra Pradesh State Skill Development Corporation (APSSDC)
Indo-Euro Synchronization (IES) Pvt Ltd

CERTIFICATE OF APPRECIATION

This certificate is awarded to

Mr./Ms. Santosh Chavala

of Annamacharya Institute of Technology and Sciences, Rajampet

for successfully completing the International Internship

in **Data Science**

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Managing Director
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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Ms **SHAHEEN SHAIK (20701A02B9)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavours!

T.M VISHNU KUMAR
Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **SHARATH REDDY ALAVALAPATI (20701A02C0)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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T.M VISHNU KUMAR
Managing Director

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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **SHASHANK VARMA ADDEPALLI (20701A02C1)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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T.M VISHNU KUMAR
Managing Director

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This letter certifies that Mr **SHIVA RANGA GADIGE (20701A02C2)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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T.M VISHNU KUMAR
Managing Director

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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Ms **SHYREEN KALAKATLA (20701A02C3)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

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T.M VISHNU KUMAR
Managing Director

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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **SIVA PRASAD REDDY VATHALURI PAPANNAGARI (20701A02C4)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Mr **SIVAMOHITH REDDY KOMMA (20701A02C5)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Ms **SIVANI VENNAPOOSA (20701A02C6)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Ms **SNEHALATHA NANDALURU (20701A02C7)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Mr **SOMASEKHARA REDDY GUMMADISANI (20701A02C8)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Ms **SOWMYA YEDURURI (20701A02C9)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Mr **SRAVAN KUMAR PANCHANGAM (20701A02D0)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Ms **SREE ANJALI MADDIKA (20701A02D1)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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T.M VISHNU KUMAR
Managing Director

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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **SREENIVASULU MANDLA (20701A02D2)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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T.M VISHNU KUMAR
Managing Director

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This letter certifies that Ms **SREEVANI DASARI (20701A02D3)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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T.M VISHNU KUMAR
Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Ms **SUBHA MEGHANA MUDIMALA (20701A02D4)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Mr **SUBHAHAN MADDI (20701A02D5)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SUDARSHANA THOLIKONDLA (20701A02D6)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SUDHAKAR JILLELLA (20701A02D7)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SUDHARSHAN REDDY VANKANA (20701A02D8)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUNITHA NARASAPURAM (20701A02E0)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUPRAJA EDIGA (20701A02E1)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUPRAJA JANGAM SETTY (20701A02E2)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUPRIYA BANDI (20701A02E3)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SURENDRANADHA REDDY KUDUMULA (20701A02E4)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SURESH GANGULA (20701A02E5)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SURESH GUNDABOYINA (20701A02E6)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUVARNA BOMMEPALLI (20701A02E7)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUVARNA KURAPATI (20701A02E8)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SYAMU BATTA (20701A02E9)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **TEJA RAJU BALARAJU (20701A02F0)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **TEJASWINI AMMINENI (20701A02F1)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **TEJASWINI TALLAPUREDDY (20701A02F2)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **THARUN KUMAR JANGITI (20701A02F3)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **THEJA SRAVANI GANDLA (20701A02F4)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA SAIKUMAR REDDY CHINTHAKUNTA (20701A02G6)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **VENKATA SIVA SINDHUJA PALAGIRI (20701A02G7)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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6th December, 2022

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This letter certifies that Mr **VENKATA SUBRAMANYAM KUMMARI (20701A02G8)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Mr **VENKATA VASUKOTI REDDY BHEEMCHERLA (20701A02G9)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATESH KUMMARI (20701A02H0)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **VIDYA REDDY GADIKOTA (20701A02H1)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VINAY BABU PINDIBOIYANA (20701A02H2)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VINAY KUMAR SAMBATURU (20701A02H3)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VINOD KUMAR REDDY SOMANNAGARI (20701A02H4)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VISWANATH REDDY MARALA (20701A02H5)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **YASWANTH ARAVA (20701A02H6)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **YASWANTH KUMAR ANDALAM (20701A02H7)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **YOGENDRANATH REDDY MUMMADI (20701A02H8)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **ANUSHA CHINNAYYAGARI (21705A0201)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **BHASKAR REPANA (21705A0202)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **CHINNA REDDY VOOLIGARI (21705A0203)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **DHANUNJAYA REDDY VONGURU (21705A0204)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **DILIP KUMAR K (21705A0205)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **DWARAKESH KANTA (21705A0206)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **GANGA MAHESH BAPANAPALLE (21705A0207)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **GANGOTHRI ALAVALAPADU (21705A0208)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **THRIVENI GOGULA (20701A02F5)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **UDAY DARA (20701A02F6)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **UDAY KUMAR YELLUTURI (20701A02F8)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **UMAMAHESWARI NAGELLA (20701A02F9)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VAMSI KRISHNA KULLI (20701A02G1)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Ms **VARSHITHA REDDY AMBAVARAM (20701A02G2)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA CHAITANYA NAGINENI (20701A02G3)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA KIRAN DOPPANI (20701A02G4)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA MANIKANTA CHALAPATI (20701A02G5)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **GEETHA YARRAGANGANNA (21705A0209)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **HEMANTH NAGA SAI MANGALI (21705A0210)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **KARTHIK YADAV MUNTHA (21705A0211)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **LAKSHMI PAVAN RAGIRI (21705A0212)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **MAHESH KUMAR GONTIMUKKALA (21705A0213)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **MANASA CHIRRA (21705A0214)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **MANIKANTA SAINATH REDDY ARIMANDA (21705A0215)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **MANJULA GALI (21705A0216)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **MANOJ KUMAR REDDY KARNA (21705A0217)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **MAQSOOD AHAMAD SHAIK (21705A0218)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **MARUTHI NAIK MOOD (21705A0219)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **NAGA SAROJA BANDARU (21705A0220)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **NARASIMHA BATTALA (21705A0221)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **NAVEEN KUMAR GOLLA (21705A0222)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **PARASURAM MALA (21705A0223)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **RAM MANOHAR GOUDA MADDULA (21705A0224)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **RAMAMOHAN TALARI (21705A0225)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **RAMBHUPAL MALYALA (21705A0226)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **RAVI KUMAR SANDRAPALLI (21705A0227)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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This letter certifies that Ms **RESHMA BHANU SHAIK (21705A0229)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SAI HARSHA VARDHAN D (21705A0230)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SAI KIRAN MUNTIMADUGU (21705A0231)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SAIKUMAR RAJU KONDURU (21705A0232)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SAKETH REDDY ONIPENTA (21705A0233)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SHAKEER BASHA SHAIK (21705A0235)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SHANTHAN GIDDALURU (21705A0236)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SIVA KARTHIK THALLAM (21705A0237)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SOMESH MADURU (21705A0238)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SOMESWAR REEDY KUMMETHA (21705A0239)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SRAVANTHI MOOLI (21705A0240)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **SUDHARSHAN VELPULA (21705A0241)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **SUNANDA CHITRALA (21705A0242)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **TEJASREE LANKALA OBULA (21705A0243)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VAMSIDHAR REDDY KARNA (21705A0244)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Ms **VASANTHI DANDE (21705A0245)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA NAVEEN GURUVUGARI (21705A0246)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA NIRANJAN KUMMARI (21705A0247)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA SREEKANTH PENDLIMARRI (21705A0248)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA SREENATH REDDY VENNAPUSA (21705A0249)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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This letter certifies that Mr **VENKATA SUNIL BABU GAJULA (21705A0250)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

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Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **VIJAY KUMAR GOUD TUMMALA (21705A0251)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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CALIBRATION | SALES | SERVICE | CONSULTANCY | TRAINING

6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **VIJAY KUMAR REDDY KADIRI (21705A0252)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Ms **VIJAYA DIVIJA NALLABALLE (21705A0253)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed her Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found her extremely inquisitive and hardworking. She was very much interested to learn new things and was also willing to put her best efforts to get into the depth of the subject to understand it better.

We wish her all the best in her future endeavours!

T.M VISHNU KUMAR
Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **VISHNUVARDHAN REDDY YARRAJONNAGARI (21705A0254)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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6th December, 2022

TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **SUNIL BOYA (20701A02D9)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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TO WHOMSOEVER IT MAY CONERN

This letter certifies that Mr **VAMSI KRISHNA BHAJANTRI (20701A02G0)** from Annamacharya Institute of Technology & Sciences (**Autonomous**), Rajampet has completed his Internship training program on **Real Time Application in Machine Learning using Python** at CUBIT TECH SERVICES, Ambattur, Chennai from **31st October to 30th November 2022.**

We found him extremely inquisitive and hardworking. He was very much interested to learn new things and was also willing to put his best efforts to get into the depth of the subject to understand it better.

We wish him all the best in his future endeavours!

T.M VISHNU KUMAR
Managing Director

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SANDEEP GONGATI** bearing H.T.No **17701A04B2** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SANDEEP KALABAI** bearing H.T.No **17701A04B3** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SANDHYARANI GUTTURU** bearing H.T.No **17701A04B4** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SASIKUMAR EMMIDI** bearing H.T.No **17701A04B5** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SATHISH KUMAR REDDY KALLURI** bearing H.T.No **17701A04B6** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SATYA NARAYANA KAPPALA** bearing H.T.No **17701A04B7** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SHANTHA BABU DONKAPPA** bearing H.T.No **17701A04B8** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SIREESHA GALI** bearing H.T.No **17701A04B9** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **SIREESHA KASIREDDY** bearing H.T.No **17701A04C0** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SIREESHA LANGANURU** bearing H.T.No **17701A04C1** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SIVA JYOSHNA BANDI** bearing H.T.No **17701A04C2** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SIVA KUMAR KOPPLA** bearing H.T.No **17701A04C3** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SIVA PRASAD PURUM** bearing H.T.No **17701A04C4** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SIVA PRIYA UYYALA** bearing H.T.No **17701A04C5** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SIVA SANKAR MANCHALA** bearing H.T.No **17701A04C6** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SOMA SUNDHAR VELPULA** bearing H.T.No **17701A04C7** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SONI KATARI** bearing H.T.No **17701A04C8** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SPOORTHI JINKA** bearing H.T.No **17701A04C9** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SRAVAN KUMAR CHINTHAMANI** bearing H.T.No **17701A04D0** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SREEKANTH KALLURU** bearing H.T.No **17701A04D2** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SREENIVASULU BODICHARLLA** bearing H.T.No **17701A04D3** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SREEYA SALAPALA** bearing H.T.No **17701A04D4** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SRIHITHA CHINNA RAMAPPAGARI** bearing H.T.No **17701A04D5** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SRIKANTH ACHARI KAMMARI** bearing H.T.No **17701A04D6** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SUBRAMANYAM RAJU SANGARAJU** bearing H.T.No **17701A04D7** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SUCHARITHA MEEGADA** bearing H.T.No **17701A04D8** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Authorized Signatory

Techfluent Solutions Private Limited.
12-1-2/3, Srinivasa Colony, Opp: PMR Convention, Nagole - Bandlaguda Main Road, Hyderabad - 500068, TS.
040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SUDHAKAR SANA** bearing H.T.No **17701A04D9** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SUMANTH BHEEMA** bearing H.T.No **17701A04E0** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Authorized Signatory

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SUNEETHA CHINNARAMANNAGARI** bearing H.T.No **17701A04E1** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SUPRAJA KOLLU** bearing H.T.No **17701A04E2** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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040-24228229 www.techfluent.in sales@techfluent.in

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SURENDRABABU VANNEM** bearing H.T.No **17701A04E3** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **VLSI DESIGN CONCEPTS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **AMARANATH CHANAGANI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

During the period of this internship program with us student was found punctual, hardworking and inquisitive.

We wish every success in life.

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For SSK Delta Design Engineering Private Limited.,

For SSK Delta Design Engineering Private Limited
Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **ANDRO MARTIN VIVEK S R** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **BASHA SHAIK** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **BHARATH KATIKELA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **BHARATH KUMAR NAKKA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **BHAVYA SREE OGGU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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TO WHOM IT MAY CONCERN

This is to certify that **CHANDRAKALA ATMAKUR** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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TO WHOM IT MAY CONCERN

This is to certify that **CHANDRASEKHAR NAGASWARAM** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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TO WHOM IT MAY CONCERN

This is to certify that **CHARAN KUMAR PAGADALA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **CHARANKUMAR REDDY LINGALA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **DHANUSHA THOTA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **DIVYA ANDRA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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TO WHOM IT MAY CONCERN

This is to certify that **DIVYA KONETI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **GAYATHRI KAKARLA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **GOVARDHAN MALISETTY** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **GURU KISHORE CHITTIBOINA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **GURU SHEKHAR PUPPAM** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **HARIKA ANUGONDA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **HIMABINDU M** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **HIMAJA KOKKANTI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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B.Senthilkumar
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Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **JAGRUTHI PEYYALA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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TO WHOM IT MAY CONCERN

This is to certify that **KRANTHI CHEERALA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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This is to certify that **LAHARI SATTU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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This is to certify that **LASYA NANDALURU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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This is to certify that **LAVANYA GOPIREDDY** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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This is to certify that **ARAVIND REDDY DEVIREDDY** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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This is to certify that **DILEEP KUMAR REDDY RAMIREDDY** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **HARITHA PULI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long online internship program specially on **"NI LABVIEW"** conducted via online Training Tools.

During the period of this internship program with us student was found punctual, hardworking and inquisitive.

We wish every success in life.

SSK Delta Design Engineering Private Limited
Plot No.4158, TNHB, Ayapakkam, Chennai - 600 077. Tamil Nadu, INDIA

For SSK Delta Design Engineering Private Limited.,

For SSK Delta Design Engineering Private Limited
Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SRI HARSHINI GURRAMKONDA** bearing H.T.No **17709A0433** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **TEJASREE RACHURI** bearing H.T.No **17709A0434** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **TEJESH SANISETTI** bearing H.T.No **17709A0435** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **THUSHARA BHARGAVI SINDHURI** bearing H.T.No **17709A0436** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **TRINATH C** bearing H.T.No **17709A0437** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **VENKATA RANGA SARANYA EPURI** bearing H.T.No **17709A0438** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **VENKATA SAHITHI CHEMEKALA** bearing H.T.No **17709A0439** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **YOGITHA CHINTA** bearing H.T.No **17709A0440** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **LOKESH KONDRATHI** bearing H.T.No **16709A0414** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **ABDUL SADIQ SHAIK** bearing H.T.No **17709A0401** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **ALTHAF SHAIK** bearing H.T.No **17709A0402** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **ANIL VIJAYANAGARAM** bearing H.T.No **17709A0403** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **ASHRIT KUMAR SAHU** bearing H.T.No **17709A0404** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **CHINNI KRISHNA MADDINA** bearing H.T.No **17709A0405** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **GEETHA POLI** bearing H.T.No **17709A0406** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **HARITHA PAPPIREDDY** bearing H.T.No **17709A0407** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **HARSHA VARDHAN REDDY DYVAM** bearing H.T.No **17709A0408** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **HARSHITHA LALAPETA** bearing H.T.No **17709A0409** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **JAHNAVI ONTEDDU** bearing H.T.No **17709A0410** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **MALLIKARJUNA REDDY BANDI** bearing H.T.No **17709A0411** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **MANEESHA PALLE** bearing H.T.No **17709A0412** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **MANISHA SOMALA** bearing H.T.No **17709A0413** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

Authorized Signatory

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **MOHITHA SAI DUDDUKUNTA** bearing H.T.No **17709A0415** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

Authorized Signatory

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **MUNI LALITH KUMAR VOMMI** bearing H.T.No **17709A0416** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **MUNI PREM KUMAR VOMMI** bearing H.T.No **17709A0417** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **NAVEEN VENKATASAI BANALA** bearing H.T.No **17709A0418** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **PRASANNA LINGAM** bearing H.T.No **17709A0419** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Authorized Signatory

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **PRATHYUSHA SOMALA** bearing H.T.No **17709A0421** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **PRAVALLIKA MUMMADI** bearing H.T.No **17709A0422** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **PREETHI POCHAMIREDDY** bearing H.T.No **17709A0423** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **PREMKUMAR REDDY MUMMADI** bearing H.T.No **17709A0424** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **RANI BOLLA** bearing H.T.No **17709A0425** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **TEJESH SANISETTI** bearing H.T.No **17709A0435** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **THUSHARA BHARGAVI SINDHURI** bearing H.T.No **17709A0436** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **TRINATH C** bearing H.T.No **17709A0437** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **INTERNET OF THINGS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **MADHAVA MEESALA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

During the period of this internship program with us student was found punctual, hardworking and inquisitive.

We wish every success in life.

SSK Delta Design Engineering Private Limited
Plot No.4158, TNHB, Ayapakkam, Chennai - 600 077. Tamil Nadu, INDIA

For SSK Delta Design Engineering Private Limited.,

For SSK Delta Design Engineering Private Limited
Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **MANIKANTA MEDIKONDU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

During the period of this internship program with us student was found punctual, hardworking and inquisitive.

We wish every success in life.

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For SSK Delta Design Engineering Private Limited
Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **MEGHANA GANDI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **MEGHANA GUTHA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NAVEEN AREPALLI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NAVEEN KALLURU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NAVEEN KUMAR REDDY GANDLURU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NAVYA DANASI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NEELIMA NAGARURI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

SSK Delta Design Engineering Private Limited

Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NIKHIL KENCHUGUNDU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NIRVISHA GANGIREDDY** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **NITESH KUMAR AMINENI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Technical Head – Automation.

Customer Satisfaction

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TO WHOM IT MAY CONCERN

This is to certify that **PRADEEP REDDY SAREDDY** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **PRAVEENA KODURU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **RAGHAVENDRA MAJJARI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **RAJA GOLLA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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TO WHOM IT MAY CONCERN

This is to certify that **RAJU ASPARI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **RAKESH NAIDU PAINENI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **ROHITHA V** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

TO WHOM IT MAY CONCERN

This is to certify that **SAIUSHA RAMYA BADRI** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

Customer Satisfaction

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Date: 03/01/2021

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This is to certify that **KAVYA KUMMARA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

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This is to certify that **KAVYA SREE KURLA** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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Customer Satisfaction

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Date: 03/01/2021

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This is to certify that **NARENDRA GANDU** a student of B. Tech (Major in Electronics and Communication), Annamacharya Institute of Technology & Sciences, Rajampet, Andhra Pradesh has successfully completed 3 weeks (14/12/2020 to 02/01/2021) long **online internship program specially on " Industrial Automation-PLC "** conducted via online Training Tools.

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For SSK Delta Design Engineering Private Limited
Authorised Signatory

B.Senthilkumar
Technical Head – Automation.

TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **SURESH KUMAR REDDY DESIREDDY** bearing H.T.No **17701A04E4** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

Authorized Signatory

Techfluent Solutions Private Limited.
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040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SWAROOP KUMAR SAILESWARAM** bearing H.T.No **17701A04E5** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Authorized Signatory

TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **SWATHI DERANGULA** bearing H.T.No **17701A04E6** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **TEJASWINI YANAMALA** bearing H.T.No **17701A04E7** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Solutions Pvt. Ltd.

Date: 26-10-2020.

This is to confirm that Mr/Ms **THEJASRI D** bearing H.T.No **17701A04E8** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VAMSI KRISHNA YADAV DASARI** bearing H.T.No **17701A04F0** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VEERENDRA SAMRAT NARUBOINA** bearing H.T.No **17701A04F3** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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This is to confirm that Mr/Ms **VENKATA BRAMHAIAH B** bearing H.T.No **17701A04F4** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VENKATA LAKSHMI E** bearing H.T.No **17701A04F5** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VENKATA LAKSHMI SULOHITHA GUDURU** bearing H.T.No **17701A04F6** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VENUGOPAL MUDINENI** bearing H.T.No **17701A04F9** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VINAY KUMAR KURUVA** bearing H.T.No **17701A04G0** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **VISHNUTEJA TALLEM** bearing H.T.No **17701A04G1** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VISHNUVARDHAN REDDY NARREDDULA** bearing H.T.No **17701A04G2** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VYSHNAVI NANDAN B** bearing H.T.No **17701A04G3** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VYSHNAVI THUMMALURU** bearing H.T.No **17701A04G4** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **YASHODA LAKSHMI VADDI** bearing H.T.No **17701A04G5** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **YOGESWAR REDDY THOTA** bearing H.T.No **17701A04G6** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Authorized Signatory

TechFLUENT
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Date: 26-10-2020.

This is to confirm that Mr/Ms **SHERMILA SOMALA** bearing H.T.No **18705A0414** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SURESH BABU UDAYAGIRI** bearing H.T.No **18705A0415** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **VENKATA HARITHA C** bearing H.T.No **18705A0416** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **MOHITHA SAI DUDDUKUNTA** bearing H.T.No **17709A0415** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **MUNI LALITH KUMAR VOMMI** bearing H.T.No **17709A0416** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **MUNI PREM KUMAR VOMMI** bearing H.T.No **17709A0417** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **NAVEEN VENKATASAI BANALA** bearing H.T.No **17709A0418** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **PRASANNA LINGAM** bearing H.T.No **17709A0419** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **PRATHYUSHA SOMALA** bearing H.T.No **17709A0421** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **PRAVALLIKA MUMMADI** bearing H.T.No **17709A0422** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **PREETHI POCHAMIREDDY** bearing H.T.No **17709A0423** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **PREMKUMAR REDDY MUMMADI** bearing H.T.No **17709A0424** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **RANI BOLLA** bearing H.T.No **17709A0425** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **REDDY BHANU RAMI REDDY GARI** bearing H.T.No **17709A0426** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SAI KUMAR MODAGALA** bearing H.T.No **17709A0427** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SAILESHNANDAN REDDY VADDI** bearing H.T.No **17709A0428** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SAINATH MANDLI** bearing H.T.No **17709A0429** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SHAHEENA SHAIK** bearing H.T.No **17709A0430** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SREEVALLI GALI** bearing H.T.No **17709A0431** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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Date: 26-10-2020.

This is to confirm that Mr/Ms **SREEVATSAV REDDY GAJJALA** bearing H.T.No **17709A0432** of Annamacharya Institute of Technology and Sciences, Rajampet has successfully completed his internship in our institute from **03-10-2020 to 26-10-2020**. He/ She had successfully completed his/her internship in **EMBEDDED SYSTEMS**. His / Her Conduct and performance during the internship programme was found to be Satisfactory.

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This is to certify that *MAHESWARI K*

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Course

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This is to certify that *LAKSHMI KEERTHANA P*

bearing number *16709A0207* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *UMA MAHESWARI M*

bearing number *17705A0227* has successfully

completed *Manufacturing CNC Foundation*

Course

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from *16/07/2019* to *18/08/2019*

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This is to certify that *KALYAN CHAKRADHAR B*

bearing number *17705A0211* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *MAHESWARA REDDY G*

bearing number *17705A0215* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *SAI VISHNU S*

bearing number *16709A0213* has successfully

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This is to certify that *GOPAL REDDY D*

bearing number *16701A0215* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *KRISHNAREDDY P*

bearing number *16701A0226* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that VASUDHA A

bearing number *17705A0228* has successfully completed *Manufacturing CNC Foundation*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *CHANDRA BASHA*

bearing number *16701A0210* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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This is to certify that *NAGAVENI N*

bearing number *17701A0234* has successfully

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Course

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from *16/07/2019* to *18/08/2019*

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This is to certify that JAHNAVI N

bearing number *16701A0221* has successfully completed *Solid Edge Fundamentals* Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *KRISHNA TEJA V*

bearing number *16701A0227* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *SASHI VARDHAN REDDY C*

bearing number *17705A0224* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that SAI HARSHITHA P

bearing number *16701A0217* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *LOKESH KUMAR K*

bearing number *16701A0231* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *NIVAS REDDY M*

bearing number *16701A0242* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *DAKSHAYANI M*

bearing number *16701A0212* has successfully

completed *Solid Edge Fundamental*

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This is to certify that *SRAVANA SANDHYA S*

bearing number *16701A0267* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that RASOOL N

bearing number 16701A0254 has successfully

completed *Solid Edge Fundamentals*

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This is to certify that *GNANESWARI G*

bearing number *16709A0204* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *VARALAKSHMI B*

bearing number *16701A0277* has successfully

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This is to certify that *JANAKI S*

bearing number *16701A0222* has successfully

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This is to certify that *VIDHYA VATHI V*

bearing number *16701A0284* has successfully completed

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This is to certify that *VENUKA DEVI B*

bearing number *16701A0283* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *SOWMYA G*

bearing number *16701A0266* has successfully

completed *Solid Edge Fundamentals*

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This is to certify that *Y SUCHARITHA K*

bearing number *16701A0270* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *INDHU PRIYA M*

bearing number *17705A0209* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *LAKSHMI PRASANNA R*

bearing number *17705A0214* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *VIJAY KUMAR P*

bearing number *17701A0283* has successfully completed

Solid Edge Fundamentals

Course

Conducted at

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This is to certify that *PRIYANKA Y*

bearing number *16701A0248* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *NAVEEN KUMAR RAO M*

bearing number *16701A0240* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that B. NEELA GANGADHAR

bearing number *16701A0241* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *A. LOKESH*

bearing number *16701A0230* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *V. KRISHNA TEJA*

bearing number *16701A0227* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *N. JAHNAVI*

bearing number *16701A0221* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *D. GOPAL REDDY*

bearing number *16701A0215* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

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This is to certify that *S. SAI VISHNU*

bearing number *16709A0213* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *SUNEEL SUNKU*

bearing number *16709A0216* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *JAKEER HUSSAIN M*

bearing number *17701A0221* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *VISHNUVARDHANREDDY MALLELA*

bearing number *17705A0232* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *MUSKHAN BASHEED*

bearing number *16709A0211* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *BHARATH KUMAR C*

bearing number *17701A0208* has successfully

completed *Auto four wheeler lab fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *GIRIDHAR S*

bearing number *17701A0216* has successfully

completed *Auto four wheeler lab fundamentals*

Course

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from *16/07/2019* to *18/08/2019*

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This is to certify that *K AJAY KUMAR*

bearing number *16701A0201* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that YOGENDRANADHAREDDY CHADIPIRALLA

bearing number *16701A0286* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *ESWAR YAGALA*

bearing number *17705A0203* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that ANILKUMAR REDDY TUNGA

bearing number *17705A0202* has successfully completed *Solid Edge Fundamentals* Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *BHARGAV T*

bearing number *17701A0209* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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This is to certify that *HUSSAINI D*

bearing number *17701A0219* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *REVANTH SINGANA*

bearing number *16709A0212* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is an auto generated Certificate and does not require Signatures

This is to certify that *SUSMITHA MACHIREDDY*

bearing number *16709A0217* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *AMARNAT REDDY POLIMERA*

bearing number *16709A0201* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *BHANU CHANDRALEKHA POKALA*

bearing number *16709A0202* has successfully

completed *Solid Edge Foundamentals*

Course

Conducted at

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This is to certify that *KEERTHI KESAMREDDY*

bearing number *16709A0206* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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This is to certify that *MOUNIKA MANDALA*

bearing number *16709A0210* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *RAJASHEKAR RB*

bearing number *17701A0245* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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This is an auto generated Certificate and does not require Signatures

This is to certify that *V PAVAN KRISHNA A*

bearing number *16701A0275* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *NAGA SHIVUDU K*

bearing number *17701A0233* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is an auto generated Certificate and does not require Signatures

This is to certify that *MURALI MOHAN REDDY*

bearing number *17701A0231* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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This is to certify that *MANJUNATHA V*

bearing number *16701A0236* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *RAMUDU SK*

bearing number *17701A0246* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *DASTHAGIRI D*

bearing number *17701A0214* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *PARAMESWAR REDDY*

bearing number *16701A0243* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *MADHU SUDHAN REDDY*

bearing number *16701A0232* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is an auto generated Certificate and does not require Signatures

This is to certify that *MADHU YADAU*

bearing number *17701A0226* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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This is to certify that *B MANI KUMAR*

bearing number *16705A0223* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *V VINAY*

bearing number *16705A0248* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *N SUNIL KUMAR*

bearing number *16705A0242* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *M DAKSHAYANI*

bearing number *16701A0212* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *P SHARATH KUMAR*

bearing number *16701A0274* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *B VARALAKSHMI*

bearing number *16701A0277* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *G GURU LAHARI*

bearing number *16701A0216* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *T UMA CHANDRAKANTH*

bearing number *16701A02A4* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *P VIDYAVATHI*

bearing number *16701A0284* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *P SANJEEV REDDY*

bearing number *16701A0261* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *T A SANDEEP REDDY*

bearing number *16701A0260* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *K MAHESWARI*

bearing number *16701A0234* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *B VENUKA DEVI*

bearing number *16701A0283* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *IMAM FAROOQ T*

bearing number *17705A0208* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

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from *16/07/2019* to *18/08/2019*

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This is to certify that *YASWANTH REDDY M*

bearing number *16701A0285* has successfully

completed *Manufacturing CNC Foundation*

(Passenger Cars) Course

Conducted at

Annamacharya Institute of Technology and Sciences

from *16/07/2019* to *18/08/2019*

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This is to certify that *M MAHESWAR REDDY*

bearing number *17705A0216* has successfully

completed *Manufacturing CNC Foundation*

Course

Conducted at

Annamacharya Institute of Technology and Sciences

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bearing number *16701A0287* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *E PAVAN KUMAR*

bearing number *16701A0244* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *SRINIVASULU M*

bearing number *16701A0269* has successfully

completed *Manufacturing CNC Foundation*

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This is to certify that *ANUSHA S*

bearing number *15701A0202* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *ARUN KUMAR N*

bearing number *15701A0204* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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bearing number *15701A0219* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *HARI BABU M*

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completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *P MAHENDRA REDDY*

bearing number *16701A0233* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *V KRISHNA NAIK*

bearing number *17705A0213* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *P ARUNA KUMARI*

bearing number *16701A0205* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

Conducted at

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This is to certify that *N KEERTHI*

bearing number *16701A0224* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *G HARSHA*

bearing number *17705A0207* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

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This is to certify that *A AMARESH REDDY*

bearing number *16701A0204* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

Conducted at

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This is to certify that *B JANARDHAN*

bearing number *16701A0223* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

Conducted at

Annamacharya Institute of Technology and Sciences

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This is to certify that *B PRABEEN*

bearing number *16701A0247* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation *Course*

Conducted at

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This is to certify that *T AJAY*

bearing number *16701A0202* has successfully

completed *Basics of Engineering Drawing, Motorcycle Mechanic*

Foundation Course, Scooter Mechanic Foundation Course

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Annamacharya Institute of Technology and Sciences

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This is to certify that *TEJASWANI C*

bearing number *15701A0298* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *HYMAVATHI B*

bearing number *15701A0224* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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This is to certify that *KUNDANA Y*

bearing number *15701A0233* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *MAMATHA S*

bearing number *15701A0239* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *VANI D*

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This is to certify that *VENKATESH D*

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Course

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This is to certify that *VINAY KUMAR C*

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This is to certify that *SRIKANTH B*

bearing number *16705A0239* has successfully

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This is to certify that *SREENIVASULU REDDY M*

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completed *Solid Edge Fundamentals*

Course

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This is to certify that *USENI M*

bearing number *16705A0243* has successfully

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This is to certify that NAVATHA K

bearing number *15709A0214* has successfully completed *Solid Edge Fundamentals*

Course

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This is to certify that *MAHESH K*

bearing number *15709A0209* has successfully

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Course

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This is to certify that *RAKESH SAI G*

bearing number *15709A0218* has successfully

completed *Solid Edge Fundamentals*

Course

Conducted at

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This is to certify that *BABY B*

bearing number *16705A0204* has successfully completed *Solid Edge Fundamentals* Course

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This is to certify that S BHAVANI

bearing number *16705A0207* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *KAALEBU S*

bearing number *16705A0217* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *NEERAJA C*

bearing number *16705A0233* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *MOUNIKA Y*

bearing number *16705A0226* has successfully

completed *Solid Edge Fundamentals*

Course

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This is to certify that *BHARGAV B*

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This is to certify that *SAI KUMAR REDDY Y*

bearing number *16701A0257* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *GURU SAI S*

bearing number *16701A0218* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *GANGADHAR B*

bearing number *16701A0214* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that MALLIKARJUNA REDDY

bearing number *16701A0246* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *PAVAN P*

bearing number *17705A0220* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *RAJESH M*

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completed *Manufacturing CNC Foundation*

Course

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This is to certify that *NAGENDRA A*

bearing number *16701A0238* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that LOKESH A

bearing number *16701A0230* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *BHARGAVI P*

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Course

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This is to certify that *GANESH D*

bearing number *17705A0204* has successfully

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Course

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This is to certify that *HARI KRSIHNA B*

bearing number *17705A0206* has successfully

completed *Manufacturing CNC Foundation*

Course

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This is to certify that *SINDHUJA P*

bearing number *17705A0225* has successfully

completed *Manufacturing CNC Foundation*

Course

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **AKHIL KURUBA** bearing H.T.No: **16701A0403** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

Authorized Signatory

Techfluent Solutions Private Limited.
12-1-2/3, Srinivasa Colony, Opp: PMR Convention, Nagole – Bandlaguda Main Road, Hyderabad - 500068, TS.
040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **AMARNATH REDDY BODELA** bearing H.T.No: **16701A0406** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

Authorized Signatory

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Techfluent Solutions Private Limited.
12-1-2/3, Srinivasa Colony, Opp: PMR Convention, Nagole – Bandlaguda Main Road, Hyderabad - 500068, TS.
040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ANANTH KUMAR KARNAM BALAIAHGARI** bearing H.T.No: **16701A0408** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

Authorized Signatory

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

Techfluent Solutions Private Limited.
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040-24228229 www.techfluent.in sales@techfluent.in

TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ANIL CHINTALA** bearing H.T.No: **16701A0409** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

Authorized Signatory

TECHFLUENT SOLUTIONS PVT. LTD. HYD.

TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ANIL KUMAR MADINENI** bearing H.T.No: **16701A0410** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ARAVINDANATH REDDY KALAGUTLA** bearing H.T.No: **16701A0411** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ARSHIA SHAIK** bearing H.T.No: **16701A0412** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ASHOK KUMAR KAVALI** bearing H.T.No: **16701A0413** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BALA MANIKANTA BANDARU** bearing H.T.No: **16701A0414** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BHARATH REDDY SANEPALLE** bearing H.T.No: **16701A0416** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BHARATHKUMAR REDDY MOLAKATHALLA** bearing H.T.No: **16701A0417** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BHARGHAVA GANDHAM** bearing H.T.No: **16701A0418** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHAITANYA LAHARI BHUMIREDDY** bearing H.T.No: **16701A0419** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHAITHANYA RANGA SAI POLA** bearing H.T.No: **16701A0420** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHANDANA GAJULAPALLE** bearing H.T.No: **16701A0421** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHARITHA REDDY GABBIREDDY** bearing H.T.No: **16701A0422** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHELISHA BUCHAKKAGARI** bearing H.T.No: **16701A0423** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHENNA KRISHNA REDDY GAJJALA** bearing H.T.No: **16701A0424** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHINNA GONGATI** bearing H.T.No: **16701A0425** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DEEPTHIKIRAN MADAKA** bearing H.T.No: **16701A0428** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DUSHYANTH REDDY GAADI** bearing H.T.No: **16701A0435** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **HARITHA POKALA** bearing H.T.No: **16701A0441** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DIVYA VAMULA** bearing H.T.No: **16701A0431** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **LOKESH DHOGURU** bearing H.T.No: **16701A0455** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MANOJ KUMAR BHUMA** bearing H.T.No: **16701A0457** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MEGHANA MEKALA** bearing H.T.No: **16701A0458** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MEGHANATH REDDY CHINTHAKUNTA** bearing H.T.No: **16701A0459** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MOUNIKA GIDDALURU** bearing H.T.No: **16701A0464** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **NAVEEN KUMAR KAMINI** bearing H.T.No: **16701A0468** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **NAVEEN KUMAR REDDY SANGANA** bearing H.T.No: **16701A0469** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRAKASHRAJ TALARI** bearing H.T.No: **16701A0478** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRAVALLIKA KANCHAM** bearing H.T.No: **16701A0481** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRAVEEN KUMAR DESAMANDAM** bearing H.T.No: **16701A0482** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **RANI KORRAPATI** bearing H.T.No: **15701A0495** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SAI HITEESH K** bearing H.T.No: **16701A0499** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SAI PRIYANKA DASARI** bearing H.T.No: **16701A04A1** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SAI ROHITESWAR REDDY PALA** bearing H.T.No: **16701A04A2** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SAI SADHANA HANUMANTHAKARI** bearing H.T.No: **16701A04A3** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SAI SIVARAM NAGENDLA** bearing H.T.No: **16701A04A4** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SATHEESH KUMAR SANDULO** bearing H.T.No: **16701A04B1** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

Authorized Signatory

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TechFLUENT Solutions Pvt. Ltd.

Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SATISH TALARI** bearing H.T.No: **16701A04B2** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SHAMEERBASHA DUDEKULA** bearing H.T.No: **16701A04B4** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SISINDRINATH REDDY THAVISHELA** bearing H.T.No: **16701A04B5** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SIVA KRISHNA VALLEPU** bearing H.T.No: **16701A04B6** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SWAPNA PALLE** bearing H.T.No: **16701A04D4** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **TEJESWAR REDDY PAMULURU** bearing H.T.No: **16701A04D7** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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♦ Beacons ♦ Dataloggers ♦ Embedded ♦ RF Design

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **VAHOB SALIVEMULA** bearing H.T.No: **16701A04D8** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **VENKATAPAVAN KUMAR GAGGERA** bearing H.T.No: **16701A04E7** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **VENKATESWARLU KAMMANETHI** bearing H.T.No: **16701A04F0** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **VISHNU TEJA NALLA** bearing H.T.No: **16701A04F3** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **VISHWAJA REDDY B** bearing H.T.No: **16701A04F6** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **YOUNUS HUSSAIN SHAIK** bearing H.T.No: **16701A04F8** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 02-05-2020.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **VARADA REDDY KUNDLA** bearing H.T.No: **17705A0408** of **AITS, Rajampet**, completed Internship in our institute, from **06-04-2020 to 02-05-2020**. He/ She had successfully completed his/her internship in **Mixed Signal VLSI Design**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **AMARANATH CHANAGANI** bearing H.T.No. **17701A0403** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **AMRUTHA SREE KORLAKUNTA** bearing H.T.No. **17701A0404** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **CHAKRADHAR RAJU PANDETI** bearing H.T.No. **17701A0414** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **CHARANTEJA POOLA** bearing H.T.No. **17701A0420** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **DEEPA POLAMREDDY** bearing H.T.No. **17701A0421** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **DHANUSHA THOTA** bearing H.T.No. **17701A0422** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **DHARANI ANANDI** bearing H.T.No. **17701A0423** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **DIVYA KONETI** bearing H.T.No. **17701A0426** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **DURGA VARA PRASAD BANDI** bearing H.T.No. **17701A0429** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **HARSHITHA REDDY METTUPALLE** bearing H.T.No. **17701A0439** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **HASEENA BEGAM SHAIK** bearing H.T.No. **17701A0440** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **HIMABINDU M** bearing H.T.No. **17701A0441** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **KARISHMA SHAIK** bearing H.T.No. **17701A0447** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **KEERTHANA RAMANNA GARI** bearing H.T.No. **17701A0449** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **KHADEEJ UL UMERAH BEPAR** bearing H.T.No. **17701A0450** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **KRANTHI CHEERALA** bearing H.T.No. **17701A0451** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **LAKSHMI KANTHAMMA MANGALI** bearing H.T.No. **17701A0454** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **ARAVIND REDDY DEVIREDDY** bearing H.T.No. **18705A0401** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **DILEEP KUMAR REDDY RAMIREDDY** bearing H.T.No. **18705A0402** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **GURU NAVEEN REDDY DUGGASANI** bearing H.T.No. **18705A0403** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **LOKESH BETHARASI** bearing H.T.No. **17701A0460** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **MADHAVA MEESALA** bearing H.T.No. **17701A0461** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **MAHALAKSHMI NOOKAPAKIRIGARI** bearing H.T.No. **17701A0462** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **MAMATHA BUSIREDDY** bearing H.T.No. **17701A0465** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **NAADIYA SHAIK** bearing H.T.No. **17701A0469** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **NAGA JYOTHI UMMADIREDDY** bearing H.T.No. **17701A0470** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **NAVEEN KUMAR REDDY GANDLURU** bearing H.T.No. **17701A0474** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **NIKHIL KENCHUGUNDU** bearing H.T.No. **17701A0483** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **NITESH KUMAR AMINENI** bearing H.T.No. **17701A0485** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **OBULREDDY GODI** bearing H.T.No. **17701A0486** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **PRAVEEN KUMAR REDDY DUGGIREDDY** bearing H.T.No. **17701A0493** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **PRAVEENA KODURU** bearing H.T.No. **17701A0494** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **RAGHAVENDRA MAJJARI** bearing H.T.No. **17701A0496** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **RAJENDRA BANDI** bearing H.T.No. **17701A0498** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SAI KUMAR REDDY GAJJALA** bearing H.T.No. **17701A04A7** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SAI VARDHAN BOLLA** bearing H.T.No. **17701A04A8** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **MOHAMMAD IMRAN PATNOOL** bearing H.T.No. **18705A0409** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **NARENDRA GANDU** bearing H.T.No. **18705A0410** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SANDEEP GONGATI** bearing H.T.No. **17701A04B2** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SANDEEP KALABAI** bearing H.T.No. **17701A04B3** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SATHISH KUMAR REDDY KALLURI** bearing H.T.No. **17701A04B6** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SHANTHA BABU DONKAPPA** bearing H.T.No. **17701A04B8** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SIREESHA KASIREDDY** bearing H.T.No. **17701A04C0** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SIREESHA LANGANURU** bearing H.T.No. **17701A04C1** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SIVA JYOSHNA BANDI** bearing H.T.No. **17701A04C2** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SIVA PRIYA UYYALA** bearing H.T.No. **17701A04C5** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

For EMWare Technologies

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www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SOMA SUNDHAR VELPULA** bearing H.T.No. **17701A04C7** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SPOORTHI JINKA** bearing H.T.No. **17701A04C9** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SRAVAN KUMAR CHINTHAMANI** bearing H.T.No. **17701A04D0** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SRAVANA LAKSHMI BADIGIREDDY** bearing H.T.No. **17701A04D1** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SREEKANTH KALLURU** bearing H.T.No. **17701A04D2** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SREEYA SALAPALA** bearing H.T.No. **17701A04D4** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SRIKANTH ACHARI KAMMARI** bearing H.T.No. **17701A04D6** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SUCHARITHA MEEGADA** bearing H.T.No. **17701A04D8** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SUDHAKAR SANA** bearing H.T.No. **17701A04D9** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SUMANTH BHEEMA** bearing H.T.No. **17701A04E0** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SUPRAJA KOLLU** bearing H.T.No. **17701A04E2** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SURESH KUMAR REDDY DESIREDDY** bearing H.T.No. **17701A04E4** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SWAROOP KUMAR SAILESWARAM** bearing H.T.No. **17701A04E5** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **VINAY KUMAR KURUVA** bearing H.T.No. **17701A04G0** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **VISHNUTEJA TALLEM** bearing H.T.No. **17701A04G1** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **VYSHNAVI THUMMALURU** bearing H.T.No. **17701A04G4** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **YOGESWAR REDDY THOTA** bearing H.T.No. **17701A04G6** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SHATAJ S** bearing H.T.No. **18705A0413** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **YOGANANDA REDDY BALAPANURU** bearing H.T.No. **18705A0417** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **ASHRIT KUMAR SAHU** bearing H.T.No. **17709A0404** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **CHINNI KRISHNA MADDINA** bearing H.T.No. **17709A0405** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **PRASANNA LINGAM** bearing H.T.No. **17709A0419** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **TEJASREE RACHURI** bearing H.T.No. **17709A0434** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SAILESHNANDAN REDDY VADDI** bearing H.T.No. **17709A0428** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SAINATH MANDLI** bearing H.T.No. **17709A0429** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SHAHEENA SHAIK** bearing H.T.No. **17709A0430** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SREEVALLI GALI** bearing H.T.No. **17709A0431** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

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CERTIFICATE

This is to certify that Mr./Ms. **SREEVATSAV REDDY GAJJALA** bearing H.T.No. **17709A0432** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

For EMWare Technologies

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Manikonda Village, Hyderabad - 500 089.
Phone : 040-69996911, Fax : 040-69996911
www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **SRI HARSHINI GURRAMKONDA** bearing H.T.No. **17709A0433** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

For EMWare Technologies

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Phone : 040-69996911, Fax : 040-69996911
www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **TEJASREE RACHURI** bearing H.T.No. **17709A0434** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

For EMWare Technologies

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Phone : 040-69996911, Fax : 040-69996911
www.emwaretechnologies.com.

Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **THUSHARA BHARGAVI SINDHURI** bearing H.T.No. **17709A0436** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

For EMWare Technologies

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **TRINATH C** bearing H.T.No. **17709A0437** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

For EMWare Technologies

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **VENKATA RANGA SARANYA EPURI** bearing H.T.No. **17709A0438** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **VENKATA SAHITHI CHEMEKALA** bearing H.T.No. **17709A0439** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

S. Narayana Rao

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Date: 30-04-2020.

CERTIFICATE

This is to certify that Mr./Ms. **YOGITHA CHINTA** bearing H.T.No. **17709A0440** of ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES, Rajampet had successfully completed internship at this Organization during the period from **03-04-2020 to 30-04-2020**.He/She had majorly involved in an activity of training on **Embedded System Concepts**.

During the period of his/her internship program with us he/she had been exposed to different processes and was found prompt, hardworking and inquisitive. We wish him/her every success in his/her life and career.

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completed *Solid Edge Fundamentals* Course

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This is to certify that *AVULA LAVANYA*

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This is to certify that *BYREDDY JAHNAVI*

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This is to certify that *DODDAPANENI KEERTHINI*

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This is to certify that *AKULA LAKSHMI PRASANNA*

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This is to certify that *NALLADIMMU BHAGYA SREE*

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This is to certify that *TIMMAREDDY SRAVANI*

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This is to certify that *SINGAREDDY KEERTHANA*

bearing number *14701A0242* has successfully

completed *Solid Edge Fundamentals* Course

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This is to certify that *SAMUDRALA VENKATA SAINATH*

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This is to certify that *MINIKANTI AMEER BASHA*

bearing number *14701A0202* has successfully

completed Basics of Engineering Drawing, Motorcycle

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completed Basics of Engineering Drawing, Motorcycle

Mechanic Foundation Course, Scooter Mechanic Foundation

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completed Basics of Engineering Drawing, Motorcycle

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Course Conducted at

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completed Basics of Engineering Drawing, Motorcycle

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bearing number *15705A0249* has successfully

completed Basics of Engineering Drawing, Motorcycle

Mechanic Foundation Course, Scooter Mechanic Foundation

Course Conducted at

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Mechanic Foundation Course, Scooter Mechanic Foundation

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bearing number *14701A0264* has successfully

completed Basics of Engineering Drawing, Motorcycle

Mechanic Foundation Course, Scooter Mechanic Foundation

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This is to certify that *URLAKUNTA VEERA NARASIMHA*

bearing number *14701A02B3* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *PALLE VEERA KUMAR REDDY*

bearing number *14701A02B2* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *PADARTHI SREEHARI*

bearing number *15705A0237* has successfully

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This is to certify that *BOMMANA TIRUMALA NAGARJUNA*

bearing number *15705A0243* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *CHITTARI BABUNURI UDAY KUMAR*

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completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *RAMAVARAM VEERA RAGHAVULU*

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This is to certify that *SHAIK RIZWANA*

bearing number *14701A0279* has successfully

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This is to certify that *SYED TASLEEM*

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bearing number *14701A0291* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *VALLURU HARISH*

bearing number *14701A0227* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *PARADESI RAJA AKHIL*

bearing number *15705A0229* has successfully

completed *AGRO Machinery Lab Fundamentals* Course

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This is to certify that *SURAPUREDDY AMARNATH REDDY*

bearing number *15705A0201* has successfully

completed *AGRO Machinery Lab Fundamentals* Course

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This is to certify that *SHAIK RUKSAR*

bearing number *15705A0233* has successfully

completed *AGRO Machinery Lab Fundamentals* Course

Conducted at

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This is to certify that *PALURU NAGAMANI*

bearing number *15705A0224* has successfully

completed *AGRO Machinery Lab Fundamentals* Course

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This is to certify that *B SAIRAM*

bearing number *15701A0271* has successfully

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This is to certify that U RAJESH KUMAR

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This is to certify that *K SASHI KUMAR*

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This is to certify that *V NAVEEN*

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This is to certify that *M JYOTHSNA*

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This is to certify *A POORNA SAHITHI*

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This is to certify that *L.SASHIRAJ JHANSI*

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This is to certify that *V HARISH*

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This is to certify that *B OBUL REDDY*

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This is to certify that *S MEHBOOB BASHA*

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This is to certify that *B TIRUMALA NAGARJUNA*

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This is to certify that *U SAMARASIMHA REDDY*

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This is to certify that *P SHARATH KUMAR*

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This is to certify that *G TEJADEEP*

bearing number *14701A02B0* has successfully

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This is to certify that *K VENKATA SIVAREDDY*

bearing number *14701A02C2* has successfully

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This is to certify that *NVG DEEPIKA*

bearing number *15701A02A8* has successfully

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This is to certify that *NIKITHA N*

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This is to certify that *RAMA DEVI K*

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This is to certify that *MOUNIKA P*

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This is to certify that *LOHITHA V*

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This is to certify that *JYOTHI G*

bearing number 14701A0266 has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *RAVI TEJA K*

bearing number 14701A0278 has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *ROHINI C*

bearing number *14701A0280* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *CHANDRAKALA J*

bearing number 14701A0215 has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *JAHNAVI B*

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This is to certify that *M RAJAGOPAL*

bearing number *15705A0230* has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *NAGARAJU V*

bearing number 15701A0225 has successfully

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This is to certify that *RAMESH N*

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This is to certify that *MURALI MOHAN V*

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This is to certify that *JAYA KRISHNA J*

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This is to certify that *VINAY KUMAR REDDY N*

bearing number 16701A0247 has successfully

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This is to certify that *UDAY KUMAR M*

bearing number 15701A02A2 has successfully

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This is to certify that *VYSHNAVI P*

bearing number 15701A02B8 has successfully

completed Basics of Engineering Drawing, Motorcycle

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This is to certify that *JAHEED ALI S*

bearing number 15701A02B9 has successfully

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This is to certify that *VENKATA RAMANA M*

bearing number 15701A02A9 has successfully

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This is to certify that *KIRAN KUMAR BEEDAM*

bearing number *15705A0211* has successfully

completed *Auto four wheeler lab fundamentals* Course

Conducted at

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bearing number *15705A0205* has successfully

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This is to certify that *SHAIK HIDAYATULLA*

bearing number *15705A0207* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *AMBEKAR KSHITHIJA*

bearing number *15705A0213* has successfully

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This is to certify that *JAHNAVI KUNALA*

bearing number *14701A0232* has successfully

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This is to certify that *VENKATA RAMANA NUKANABOYINA*

bearing number *15705A0246* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *ARUN KUMAR REDDY YERRAMPALLI*

bearing number *14701A0206* has successfully

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This is to certify that *KAMALAKANTH VANKAM*

bearing number *14701A0240* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *USHA RANI MAMILLA*

bearing number *14701A02B1* has successfully

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This is to certify that *KAMBHAM SRUJANA*

bearing number *14701A02A4* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *SHAIK RAFI*

bearing number *14701A0272* has successfully

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This is to certify that *PRATHAP KAPU*

bearing number *14701A0269* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *MADISETTY VENKATA MAHESH*

bearing number *14701A02C6* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *MANGALI SURESH*

bearing number *15705A0241* has successfully

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This is to certify that *KRANTI VENKATA SUCHENDRA REDDY*

bearing number *14701A02C4* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *KAALVA VENKAT SIVA REDDY*

bearing number *14701A02C2* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *SREEKANTH NAGINENI*

bearing number *14701A02A3* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *CHINNEM THARAKA RAMUDU*

bearing number *15705A0242* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *GANDU JYOTHI*

bearing number *14701A0236* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *VEDUGURI VEMA SREEVIDYA*

bearing number *14701A02B6* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *GIDDALUR TEJA DEEP*

bearing number *14701A02B0* has successfully

completed *Auto four wheeler lab fundamentals* Course

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This is to certify that *KRISHNA REDDY APPALA*

bearing number *14705A0243* has successfully

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This is to certify that *JAHNAVI KOTLA*

bearing number *14701A0231* has successfully

completed *Solid Edge Fundamentals* Course

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This is to certify that *NAGARAJU V*

bearing number *15701A0225* has successfully

completed Basics of Engineering Drawing, Motorcycle

Mechanic Foundation Course, Scooter Mechanic Foundation

Course Conducted at

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This is to certify that *KETHIREDDY JAIPAL REDDY*

bearing number *14701A0233* has successfully

completed *Solid Edge Fundamentals* Course

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This is to certify that *CHAVVA BHARGAVI REDDY*

bearing number *14701A0211* has successfully

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This is to certify that *CHANAMAREDDY ANILKUMAR REDDY*

bearing number *14701A0204* has successfully

completed *Solid Edge Fundamentals* Course

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This is to certify that *SHAIK FAYAZ*

bearing number *15705A0204* has successfully

completed *Solid Edge Fundamentals* Course

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This is to certify that *BESTHA LIKHITHA*

bearing number *15705A0216* has successfully

completed *Solid Edge Fundamentals* Course

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **AMARANATH CHANAGANI** bearing H.T.No **17701A0403** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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For Prayog Labs Pvt. Ltd

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **AMRUTHA SREE KORLAKUNTA** bearing H.T.No **17701A0404** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **BASHA SHAIK** bearing H.T.No **17701A0408** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **BHARATH KUMAR NAKKA** bearing H.T.No **17701A0410** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

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This is to confirm that Mr/Ms. **BHARATHKUMARREDDY RAJUPALLI** bearing H.T.No **17701A0411** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **BHARGAV REDDY DUMPA** bearing H.T.No **17701A0412** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

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This is to confirm that Mr/Ms. **BHAVYA SREE OGGU** bearing H.T.No **17701A0413** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **CHAKRADHAR RAJU PANDETI** bearing H.T.No **17701A0414** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **CHANDRAKALA ATMAKUR** bearing H.T.No **17701A0415** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **CHANDRAKALAVATHI KATREDDY** bearing H.T.No **17701A0416** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

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This is to confirm that Mr/Ms. **CHANDRASEKHAR NAGASWARAM** bearing H.T.No **17701A0417** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **CHARANTEJA POOLA** bearing H.T.No **17701A0420** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **DHANUSHA THOTA** bearing H.T.No **17701A0422** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **DHARANI BRAMHADEVUNI** bearing H.T.No **17701A0424** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **DIVYA ANDRA** bearing H.T.No **17701A0425** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **GURU SHEKHAR PUPPAM** bearing H.T.No **17701A0436** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **GURUNAVEEN BAPANAPALLE** bearing H.T.No **17701A0437** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **HARIKA ANUGONDA** bearing H.T.No **17701A0438** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **HARSHITHA REDDY METTUPALLE** bearing H.T.No **17701A0439** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **HASEENA BEGAM SHAIK** bearing H.T.No **17701A0440** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **JYOTHI GANJIKUNTA** bearing H.T.No **17701A0446** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **KARISHMA SHAIK** bearing H.T.No **17701A0447** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **KHADEEJ UL UMERAH BEPAR** bearing H.T.No **17701A0450** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **KRANTHI CHEERALA** bearing H.T.No **17701A0451** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **LAHARI SATTU** bearing H.T.No **17701A0452** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **ARAVIND REDDY DEVIREDDY** bearing H.T.No **18705A0401** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **GURU NAVEEN REDDY DUGGASANI** bearing H.T.No **18705A0403** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **HARITHA PULI** bearing H.T.No **18705A0404** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **LOKESH BETHARASI** bearing H.T.No **17701A0460** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **MADHAVA MEESALA** bearing H.T.No **17701A0461** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **MAHAMMAD SOHEL SHAIK** bearing H.T.No **17701A0463** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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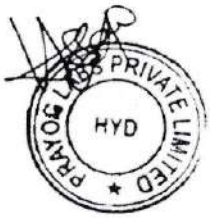
Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **MANIKANTA MEDIKONDU** bearing H.T.No **17701A0466** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.



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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **MEGHANA GANDI** bearing H.T.No **17701A0467** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **NAVEEN KALLURU** bearing H.T.No **17701A0473** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **NAVEEN KUMAR REDDY GANDLURU** bearing H.T.No **17701A0474** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **NAVEEN KUMAR SIDDAM** bearing H.T.No **17701A0476** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **NAVYA DANASI** bearing H.T.No **17701A0477** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **NAVYA LAKSHMI DONTHU** bearing H.T.No **17701A0478** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **NAYAB RASOOL SHAIK** bearing H.T.No **17701A0479** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **NEELIMA NAGARURI** bearing H.T.No **17701A0480** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **NIHARIKA KANDUKURI** bearing H.T.No **17701A0481** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **NIKHIL DASARI** bearing H.T.No **17701A0482** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **PAVANTEJA REDDY GADI** bearing H.T.No **17701A0489** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

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This is to confirm that Mr/Ms. **PRADEEP REDDY SAREDDY** bearing H.T.No **17701A0490** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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For Prayog Labs Pvt. Ltd

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **PRAVEENA KODURU** bearing H.T.No **17701A0494** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **RAGHAVENDRA MAJJARI** bearing H.T.No **17701A0496** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **RAJA GOLLA** bearing H.T.No **17701A0497** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **RAJU ASPARI** bearing H.T.No **17701A04A0** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **RASI NANDALURU** bearing H.T.No **17701A04A3** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **RUDRA VEENA THIMMA REDDY** bearing H.T.No **17701A04A5** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAI KRISHNA DANDALA** bearing H.T.No **17701A04A6** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAI KUMAR REDDY GAJJALA** bearing H.T.No **17701A04A7** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAI VARDHAN BOLLA** bearing H.T.No **17701A04A8** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAINADH GOPINENI** bearing H.T.No **17701A04B0** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **MOHAMMAD IMRAN PATNOOL** bearing H.T.No **18705A0409** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **NARENDRA GANDU** bearing H.T.No **18705A0410** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SANDHYARANI GUTTURU** bearing H.T.No **17701A04B4** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **SASIKUMAR EMMIDI** bearing H.T.No **17701A04B5** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SATYA NARAYANA KAPPALA** bearing H.T.No **17701A04B7** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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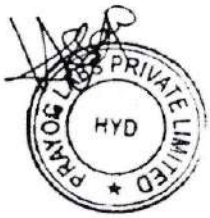
Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SHANTHA BABU DONKAPPA** bearing H.T.No **17701A04B8** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.



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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SIREESHA GALI** bearing H.T.No **17701A04B9** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **SIREESHA KASIREDDY** bearing H.T.No **17701A04C0** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SIVA KUMAR KOPPLA** bearing H.T.No **17701A04C3** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SIVA PRIYA UYYALA** bearing H.T.No **17701A04C5** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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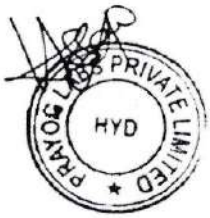
TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SIVA SANKAR MANCHALA** bearing H.T.No **17701A04C6** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.



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This is to confirm that Mr/Ms. **SRAVAN KUMAR CHINTHAMANI** bearing H.T.No **17701A04D0** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **SRAVANA LAKSHMI BADIGIREDDY** bearing H.T.No **17701A04D1** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SREEKANTH KALLURU** bearing H.T.No **17701A04D2** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **SREENIVASULU BODICHARLLA** bearing H.T.No **17701A04D3** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **SUBRAMANYAM RAJU SANGARAJU** bearing H.T.No **17701A04D7** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **SUCHARITHA MEEGADA** bearing H.T.No **17701A04D8** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SUMANTH BHEEMA** bearing H.T.No **17701A04E0** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

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This is to confirm that Mr/Ms. **SUNEETHA CHINNARAMANNAGARI** bearing H.T.No **17701A04E1** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

PRAYOG LABS PRIVATE LIMITED HYD

For Prayog Labs Pvt. Ltd

3rd Wing, 4th Floor, TSHB Commercial Complex, Opp. Shivaparvathi Theatre, K.P.H.B. Main Road,
Kukatpally, Hyderabad - 500 072. Telangana, India. Website : www.prayoglabs.com, E-mail : info@prayoglabs.com

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040-69995758
9701206051

Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **VEERENDRA SAMRAT NARUBOINA** bearing H.T.No **17701A04F3** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

PRAYOG LABS PRIVATE LIMITED HYD

For Prayog Labs Pvt. Ltd

3rd Wing, 4th Floor, TSHB Commercial Complex, Opp. Shivaparvathi Theatre, K.P.H.B. Main Road,
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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **VENKATA BRAMHAIAH B** bearing H.T.No **17701A04F4** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **VYSHNAVI THUMMALURU** bearing H.T.No **17701A04G4** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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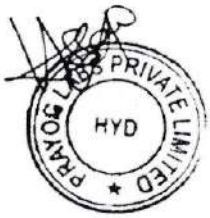
Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SURESH BABU UDAYAGIRI** bearing H.T.No **18705A0415** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.



For Prayog Labs Pvt. Ltd

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **ASHRIT KUMAR SAHU** bearing H.T.No **17709A0404** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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For Prayog Labs Pvt. Ltd

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **HARITHA PAPPIREDDY** bearing H.T.No **17709A0407** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

PRAYOG LABS PRIVATE LIMITED HYD

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **HARSHA VARDHAN REDDY DYVAM** bearing H.T.No **17709A0408** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **PRAVALLIKA MUMMADI** bearing H.T.No **17709A0422** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

PRAYOG LABS PRIVATE LIMITED HYD

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAI KUMAR MODAGALA** bearing H.T.No **17709A0427** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **TEJESH SANISETTI** bearing H.T.No **17709A0435** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **TRINATH C** bearing H.T.No **17709A0437** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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040-69995758
9701206051

Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **VENKATA RANGA SARANYA EPURI** bearing H.T.No **17709A0438** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

PRAYOG LABS PRIVATE LIMITED HYD

For Prayog Labs Pvt. Ltd

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9701206051

Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **YOGITHA CHINTA** bearing H.T.No **17709A0440** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TechFLUENT Solutions Pvt. Ltd.

Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **AJAY KUMAR PULIBANDLA** bearing H.T.No: **16701A0402** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

Authorized Signatory

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040-24228229 www.techfluent.in sales@techfluent.in

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Solutions Pvt. Ltd.

Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **AKHIL KURUBA** bearing H.T.No: **16701A0403** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TechFLUENT Solutions Pvt. Ltd.

Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **AKHILA GUTTA** bearing H.T.No: **16701A0404** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **AMARNATH REDDY BODELA** bearing H.T.No: **16701A0406** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ANANTH KUMAR KARNAM BALAIAHGARI** bearing H.T.No: **16701A0408** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ANIL KUMAR MADINENI** bearing H.T.No: **16701A0410** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ARAVINDANATH REDDY KALAGUTLA** bearing H.T.No: **16701A0411** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ARSHIA SHAIK** bearing H.T.No: **16701A0412** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **ASHOK KUMAR KAVALI** bearing H.T.No: **16701A0413** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BALA MANIKANTA BANDARU** bearing H.T.No: **16701A0414** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BHARATH REDDY SANEPALLE** bearing H.T.No: **16701A0416** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHAITANYA LAHARI BHUMIREDDY** bearing H.T.No: **16701A0419** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **CHAITHANYA RANGA SAI POLA** bearing H.T.No: **16701A0420** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **CHARITHA REDDY GABBIREDDY** bearing H.T.No: **16701A0422** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHENNA KRISHNA REDDY GAJJALA** bearing H.T.No: **16701A0424** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHINNA GONGATI** bearing H.T.No: **16701A0425** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **CHITTEMMA JOHARAPURAM** bearing H.T.No: **16701A0426** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DAMODHAR REDDY SINGAM REDDY** bearing H.T.No: **16701A0427** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **DEEPTHIKIRAN MADAKA** bearing H.T.No: **16701A0428** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DIVYA VAMULA** bearing H.T.No: **16701A0431** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DUSHYANTH REDDY GAADI** bearing H.T.No: **16701A0435** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **GAYATHRI AVULA YERRAMAREDDY** bearing H.T.No: **16701A0436** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **HARI SIVA PRASAD GANIGIPENTA** bearing H.T.No: **16701A0438** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **HARITHA LODI** bearing H.T.No: **16701A0440** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **HARITHA POKALA** bearing H.T.No: **16701A0441** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **KEERTHI YERRAMCHETTI** bearing H.T.No: **16701A0447** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **BHAVANA MASAPALLI** bearing H.T.No: **17705A0401** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **KRISHNA VARDHAN REDDY GAJJALA** bearing H.T.No: **16701A0450** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **KUSHAL KUMAR MITTA** bearing H.T.No: **16701A0451** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **LOKESH DHOGURU** bearing H.T.No: **16701A0455** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MANOJ KUMAR BHUMA** bearing H.T.No: **16701A0457** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MEGHANA MEKALA** bearing H.T.No: **16701A0458** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **MEGHANATH REDDY CHINTHAKUNTA** bearing H.T.No: **16701A0459** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **MOHAMMED ISLAM SHAIK** bearing H.T.No: **16701A0461** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MOHAN AKKINAGUNTLA** bearing H.T.No: **16701A0462** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **MOUNIKA DONTHYREDDY** bearing H.T.No: **16701A0463** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **NARASIMHA REDDY KATHA** bearing H.T.No: **16701A0466** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **NARAYANA ALURI** bearing H.T.No: **16701A0467** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PAVAN REDDY PALAKOLANU** bearing H.T.No: **16701A0472** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PAVANKUMAR RAJU RAGHAVARAJU** bearing H.T.No: **16701A0474** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRATHYUSHA K** bearing H.T.No: **16701A0479** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRATHYUSHA NARASAPURAM** bearing H.T.No: **16701A0480** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRAVALLIKA KANCHAM** bearing H.T.No: **16701A0481** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PRAVEEN KUMAR DESAMANDAM** bearing H.T.No: **16701A0482** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **PREETHI MOGILLA KALAVA** bearing H.T.No: **16701A0483** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **PREMCHAND RAVISASTRI ALWAKONDA** bearing H.T.No: **16701A0484** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **RAJASEKHAR REDDY ENDULURU** bearing H.T.No: **16701A0487** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **RAJENDRA BABU MALYALA** bearing H.T.No: **16701A0488** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **RAJESH CHAITANYA MEEDEMULA** bearing H.T.No: **16701A0489** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **RAMYA CHOWLA** bearing H.T.No: **16701A0493** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **REDDY SASANK AMBAVARAM** bearing H.T.No: **16701A0494** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SAI ADITHYA YADAV PALAGANI** bearing H.T.No: **16701A0496** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **RANI KORRAPATI** bearing H.T.No: **15701A0495** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **NAVEEN KUMAR GONA** bearing H.T.No: **17705A0403** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **PURUSHOTHAM YERIPOGU** bearing H.T.No: **17705A0404** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SAI ADITHYA YADAV PALAGANI** bearing H.T.No: **16701A0496** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SAI CHARAN SWARNA** bearing H.T.No: **16701A0497** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SAI GOWTHAM GIDDALURU** bearing H.T.No: **16701A0498** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SAI HITEESH K** bearing H.T.No: **16701A0499** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SAI PRAVEEN KALIKIRI** bearing H.T.No: **16701A04A0** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SAI PRIYANKA DASARI** bearing H.T.No: **16701A04A1** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SAI SADHANA HANUMANTHAKARI** bearing H.T.No: **16701A04A3** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SAI SIVARAM NAGENDLA** bearing H.T.No: **16701A04A4** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SAI VIGNESH R** bearing H.T.No: **16701A04A5** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SANDHYA RANI SYAMANABOYANA** bearing H.T.No: **16701A04A7** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SANTHOSH NAIK RAMAVATH** bearing H.T.No: **16701A04A9** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SATEESH KUMAR SOLIGA** bearing H.T.No: **16701A04B0** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SATHEESH KUMAR SANDULO** bearing H.T.No: **16701A04B1** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SHAMEERBASHA DUDEKULA** bearing H.T.No: **16701A04B4** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SISINDRINATH REDDY THAVISHELA** bearing H.T.No: **16701A04B5** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SIVA KRISHNA VALLEPU** bearing H.T.No: **16701A04B6** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SIVA PRASAD REDDY BANDI** bearing H.T.No: **16701A04B7** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SREENIVASULU NALLAMARU** bearing H.T.No: **16701A04C2** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SRIKANTH REDDY DEVIREDDY** bearing H.T.No: **16701A04C3** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SUCHITHRA UPPU** bearing H.T.No: **16701A04C4** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SUPRIYA BHUPALAM** bearing H.T.No: **16701A04C9** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SUPRIYA SAAREDDY** bearing H.T.No: **16701A04D0** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SUSHMA CHINNAPPAREDDYGARI** bearing H.T.No: **16701A04D1** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SUSHMA MUTTHAM SETTY** bearing H.T.No: **16701A04D3** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **SWARUPA RANI KANALA** bearing H.T.No: **16701A04D5** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **TABASSUM KHAN P** bearing H.T.No: **16701A04D6** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **VAHOB SALIVEMULA** bearing H.T.No: **16701A04D8** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **VENKATA KRISHNA REDDY VALLAPOTHULA** bearing H.T.No: **16701A04E0** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **VENKATA KRISHNAKUMAR SAMPATHI** bearing H.T.No: **16701A04E1** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **VENKATA SATHYA NARAYANA BHEEMISETTI** bearing H.T.No: **16701A04E3** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **SUNEEL NIDIGINTI** bearing H.T.No: **17705A0406** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **VENKATESWARLU KAMMANETHI** bearing H.T.No: **16701A04F0** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **VISHNU SAI GUTTY** bearing H.T.No: **16701A04F2** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **VISHNU TEJA NALLA** bearing H.T.No: **16701A04F3** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **VARADA REDDY KUNDLA** bearing H.T.No: **17705A0408** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

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This is to confirm that Mr./Ms. **ARSHIYA BANU ABDULSABGARI** bearing H.T.No: **16709A0404** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **DAMODHAR BOTTA** bearing H.T.No: **16709A0405** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **KARTHIK CHOWDARY MASINA** bearing H.T.No: **16709A0409** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **KUMAR TEJA ANANDALA** bearing H.T.No: **16709A0410** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **KUSUMA ALIDENA** bearing H.T.No: **16709A0411** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **LAKSHMI NARASIMHA SWAMY PABBISETTI** bearing H.T.No: **16709A0412** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **MANIKANTA REDDY DUMPALA** bearing H.T.No: **16709A0419** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **NAVEEN KUMAR REDDY BANDI** bearing H.T.No: **16709A0420** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SAI TEJA RACHURI** bearing H.T.No: **16709A0426** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SUPRAJA SADHU** bearing H.T.No: **16709A0435** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **VIJAYA VARDHANA KUMAR REDDY VULAVAPALLI** bearing H.T.No: **16709A0440** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **WASEEM MOHAMMAD** bearing H.T.No: **16709A0441** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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Date: 24-05-2019.

TO WHOM SO EVER IT MAY CONCERN

This is to confirm that Mr./Ms. **SIVA PRASAD PRAGADA** bearing H.T.No: **15709A0425** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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This is to confirm that Mr./Ms. **NISHANTH MUDUMALA** bearing H.T.No: **17700A0401** of **AITS, Rajampet**, completed Internship in our institute, from **29-04-2019 to 24-05-2019**.He/ She had successfully completed his/her internship in **Functional Verification**. His / Her Conduct and performance during the internship programme was found to be **Satisfactory**.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **ABDUL SADIQ SHAIK** bearing H.T.No **17709A0401** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **ALTHAF SHAIK** bearing H.T.No **17709A0402** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **ANIL VIJAYANAGARAM** bearing H.T.No **17709A0403** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **JAHNAVI ONTEDDU** bearing H.T.No **17709A0410** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **PREETHI POCHAMIREDDY** bearing H.T.No **17709A0423** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **PREMKUMAR REDDY MUMMADI** bearing H.T.No **17709A0424** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **RANI BOLLA** bearing H.T.No **17709A0425** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **REDDY BHANU RAMI REDDY GARI** bearing H.T.No **17709A0426** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAILESHNANDAN REDDY VADDI** bearing H.T.No **17709A0428** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SAINATH MANDLI** bearing H.T.No **17709A0429** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SHAHEENA SHAIK** bearing H.T.No **17709A0430** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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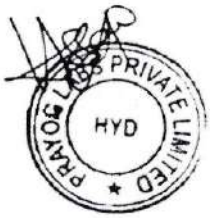
TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SREEVALLI GALI** bearing H.T.No **17709A0431** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.



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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SREEVATSAV REDDY GAJJALA** bearing H.T.No **17709A0432** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **SRI HARSHINI GURRAMKONDA** bearing H.T.No **17709A0433** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **TEJASREE RACHURI** bearing H.T.No **17709A0434** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **THUSHARA BHARGAVI SINDHURI** bearing H.T.No **17709A0436** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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This is to confirm that Mr/Ms. **VENKATA SAHITHI CHEMEKALA** bearing H.T.No **17709A0439** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

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Date: 30-05-2019.

TO WHOM IT MAY CONCERN

This is to confirm that Mr/Ms. **LOKESH KONDRATHI** bearing H.T.No **16709A0414** of AITS, Rajampet has successfully completed his internship in **PCB Design** with Prayog Labs Pvt. Ltd during the period from **02-05-2019 to 30-05-2019**. We wish him/her all the best for his/her future endeavors.

PRAYOG LABS PRIVATE LIMITED HYD

For Prayog Labs Pvt. Ltd

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