

**ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND SCIENCES::RAJAMPET**

**(Autonomous)**

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING**

**PROJECT WORK BATCHES-A Section: - 2022-23**

<b>Batch No.</b>	<b>H T Number</b>	<b>Name of the student</b>	<b>Name of the Guide</b>	<b>Title of the project</b>
1	20705A0212	P.OBULESU	<b>L BAYA REDDY</b>	Interleaved converter based on cascaded non inverting buck boost converter
	20705A0201	D.AJAY NARASIMHA		
	20705A0209	K.V.JAYA PRAKASH		
2	19701A0234	K.KALPANA	<b>S SARADA</b>	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	<b>Dr.M.PADMA LALITHA</b>	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	<b>Dr.P.B.CHENNAIAH</b>	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	<b>Dr.PASALA GOPI</b>	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	<b>Dr.S.SURESH</b>	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	<b>P.SURESH BABU</b>	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	<b>Dr.K.DHANANJAYA BABU</b>	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	<b>K.HARINATH REDDY</b>	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	<b>P.BHASKARA PRASAD</b>	Two stage converter standalone PV battery based on VSG control
	19701A0231	Y.JAHNAVI		
	19701A0226	D.HAJIVALLI		
	19701A0244	P.LOKESHWAR		
11	20705A0206	B.GAYATHRI	<b>R MADHAN MOHAN</b>	Harmonic voltage control in DG system by using Arduino
	20705A0205	Y.GANGAMMA		
	19701A0237	G.KARTHIK		
	19701A0207	C.ASWINI		
12	20705A0207	S.GURUCHARAN	<b>B.MURALI MOHAN</b>	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	<b>S.MUQTHIAR ALI</b>	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	<b>N.SREERAMULA REDDY</b>	Design and Development of Automated Writing Machine
	19701A0238	N.KEERTHI		
	19701A0208	V.AYYAPPA REDDY		
	19701A0211	V.L.BHANU PRAKASH REDDY		

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**PROJECT WORK BATCHES-B Section: - 2022-23**

<b>Batch No.</b>	<b>HT Number</b>	<b>Name of the student</b>	<b>Name of the Guide</b>	<b>Title of the project</b>
1	19701A0270	V PAVAN KALYAN REDDY	<b>Dr. P B CHENNAIAH</b>	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	<b>Dr. S SURESH</b>	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	<b>Dr.P GOPI</b>	Auxiliary Transformer Monitoring System Using IOT
	20705A0214	K SAHUL		
	19701A0273	K POOJITHA		
	19701A0248	V MAHESWAR REDDY		
4	19701A0256	S MOHAMMAD SAMIULLAH SHARIFF	<b>Dr. M PADMA LALITHA</b>	Detection Of Adulterants In Milk Using IOT
	19701A0295	U SIVA SREENATH		
	20705A0215	S SAI HARI PRIYA		
	19701A0275	E PRATYUSHA		
5	19701A0283	R RAMYA	<b>P SURESH BABU</b>	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	<b>C GANESH</b>	Predictive Control Of Single Phase Grid Connected Reduced Switch 7-Level Triple Boost Inverter
	20705A0222	K VAISHNAVI		
	20705A0223	D VANI		
7	20705A0224	P VASANTHI	<b>R MADHAN MOHAN</b>	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	<b>K HARINATH REDDY</b>	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	<b>S MUQTHIAR ALI</b>	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	<b>Dr. O HEMA KESAVULU</b>	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	<b>N SREE RAMULA REDDY</b>	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	<b>P BHASKARA PRASAD</b>	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	<b>D SAI KRISHNA KANTH</b>	Integration of Solar Energy System for Electric Vehicle
	19701A0252	J MANOJ KUMAR REDDY		
	19701A0249	B MANASA		
	19701A0251	P MANIKANTA		
14	19701A0272	B POLI REDDY	<b>Dr.K DHANANJAYA BABU</b>	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	<b>M RAMESH</b>	Minimization Of Power Loss And Voltage Drop By Dg Placement In Distribution System By Using Bacterial Foraging Optimization Algorithm (Bfoa)
	19701A0254	G MEGHANA		
	19701A0253	S MASUM VALI		
	19701A0284	P RANADEEP REDDY		

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**PROJECT WORK BATCHES-C Section: - 2022-23**

<b>Batch No.</b>	<b>H T Number</b>	<b>Name of the student</b>	<b>Name of the Guide</b>	<b>Title of the project</b>
1	19701A02A0	SREELAKSHMI NAGINENI	<b>Dr.J. SREERANGA NAYAKULU</b>	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	<b>M.RAMESH</b>	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	<b>P.RAVINDRA PRASAD</b>	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	<b>A.HIMA BINDU</b>	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	<b>S.RUBEENA</b>	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	<b>T.ARUN KUMAR</b>	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	<b>K. VIJAYA BHASKAR</b>	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	<b>M.SWETHA</b>	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	<b>G.SUBAHAN</b>	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>B.MURALI MOHAN</b>	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	<b>Dr.O.HEMAKESAVULU</b>	Wireless Electronic Notice Board By Using Android
	20700A0213	SIVANI YEDUGURU		
	19709A0202	CHAITANYA BATHURU		
	19709A0201	BHANU TEJA ARIGELA		
12	20700A0207	KARUNAKAR YARRACHINNAIAHGARI	<b>M.SAI SANDEEP</b>	Advanced Vehicle Monitoring System And Automatic Vehicle Dim And Brightness Controlled Using NRF 24I01 Module
	20700A0212	ROHITH KUMAR RAJU CHAMARTHI		
	19709A0208	VENKATA SANDEEP CHITRALA		
	20700A0215	UMA VENKATESWARLU GODINA		
13	20700A0202	AYISHA SULTHANA SHAIK	<b>M.SWETHA</b>	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	<b>K. VIJAYA BHASKAR</b>	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	<b>M.MAHESH</b>	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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