



ANNAMACHARYA

INSTITUTE OF TECHNOLOGY & SCIENCES

An AUTONOMOUS Institution, New Boyanapalli, Rajampet – 516126



Department of Mechanical Engineering

Following is the list of project batches with titles for the academic project work (2024-2025).

Year: IV

Section: A

Batch	H.T.No	Name of the student	Guide Name	Project Title
A1	22705A0326	BASETTI JAYA CHANDRA	Mr. S. NAGENDRA	Enhance Diesel Engine Performance and Emissions with Diethyl Ether and Multi-Walled Carbon Nanotubes
	22705A0307	AGRAHARAM BHARATH		
	22705A0331	BHAVANAM LAKSHMI NARAYANA REDDY		
	22705A0303	SHAIK AMEER BASHA		
A2	22705A0330	PULLA KUSHAL KUMAR	Mr. G AMARNATH	Biodiesel Production from Calophyllum inophyllum(tamanu) oil using koh with seashell as a heterogeneous catalyst
	22705A0335	THUVA MADHU SUDHAN REDDY		
	22705A0324	BHIMAVARAM HARI KRISHNA		
	22705A0333	BUDDANNA LAL BASHA		
A3	22705A0318	G. GOVARDHAN REDDY	Dr B. VENKATES H	Portable Solar Drying System With Phase Change Material
	22705A0339	MAKKALA MAHESH BABU		
	22705A0336	MADHUSUDHAN PAGADALA		
	21701A0303	KATTI HARISH BABU		
A4	22705A0321	REDDIPAGA HARI BABU	Mr. M. MARUTHI PRASAD	Investigation of corrosion resistance of magnesium alloy surface modification
	22705A0308	MADDAKA BHARATH		
	22705A0309	KANIKE BHASKAR		
	22705A0329	MANDLI KARUNAKAR		
A5	21701A0309	B.V.S.S. KOUSHIK	Dr. D KRISHNA MOHAN RAJU	Design and Development of 3 times more efficient Air Conditioning System
	22705A0340	U. MAHESH BABU		
	21701A0301	B. BALA VENGAIAH		
	21701A0310	C.VINAY KUMAR REDDY		
A6	22705A0338	KUMMARI MAHENDRA	Mr. C. RAMANJAN EYULU	A Machine Learning Methodology For Analyzing Phase Change Material-Based Thermal Management System
	22705A0341	AJJUBOYINI MARUTHI		
	22705A0304	SHAIK MEERAM SAB GARI ARIF		
	22705A0314	SHAIK DAWOOD		
A7	22705A0316	P.GOURI SHANKAR REDDY	Dr G. SURESH BABU	Experimental and numerical investigation of surface roughness and mechanical behaviour's of 3D-Printed PETG polymer material with and
	22705A0315	P. GANGA MOHAN		
	22705A0312	S. CHITAMBAR RAO		
	21701A0308	V. SANDEEP KUMAR		



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Batch	H.T.No	Name of the student	Guide Name	Project Title
A8	22705A0328	C. JAYA SHANKAR	Mr. S. M. SALEEMUD DIN	Thermal Characterization Of GFRP-Composites Reinforced With Tio ₂ , Mgo, Cuo Filler Materials
	22705A0327	JAYA RAMUDU		
	22705A0311	B. CHARAN KUMAR		
	20701A0376	SHIVAKUMAR REDDY PONNURU		
	20701A0324	K GANGA ARAVIND		
A9	22705A0323	C. P. HARI	Mrs. N. KEERTHI	Development of Advanced AL composites using Reinforced with WC & Al ₂ O ₃ by Stir casting process
	22705A0320	GURUSAI JILAKARA		
	22705A0325	M.HARSHA VARDHAN REDDY		
	22705A0322	V. HARIBABU		
A10	22705A0332	JITTA LAKSHMIRAJU	Mr. S MAHABOO B KHAN	Design And Develop A Steering Controlled Headlight Mechanism
	22705A0306	BADESAVALI MULLA SHAIK		
	22705A0305	KANCHEM ASHOK		
	22705A0302	ADIKESAVA MODDU		
A11	22705A0337	DUDEKULA MAHAMMAD HUSSAIN	Mrs. N. DEEPTHI	Study On Surface Roughness Of Inconel 718 Alloy Material With Wire Electric Discharge Machine
	22705A0334	MOPURI LINGESHA		
	22705A0319	PUVVADI GURU SEKHAR		
	21701A0307	CHAKALI RAJESH		
A12	21701A0302	T. CHARAN DEEP ROYAL	Mr. K. AJAYA KUMAR REDDY	Development of 3D printed Orthotic Insoles with lattice structures
	22705A0301	K. ABHINAY SUBHASH		
	21701A0306	J. MANOJ KUMAR		
	22705A0313	N. DARBAR		
A13	22705A0317	BILLA GOVARDHAN	Mr. V. VENKATES H	Design And Fabrication of Extrusion Based Clay 3d Printer
	22705A0310	BAKI CHAITANYA REDDY		
	22705A0342	AKULA MEGHANATH		
	21701A0304	SANDRA HARSHA VARDHAN		


Project Co-ordinator

A-Sec


HOD,

Head of Department
Dept of Mechanical Engineering.

Mechanical Engineering

Annamacharya Institute of Technology & Sciences

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Following is the list of project batches with titles for the academic project work (2024-2025).

Year: IV

Section: B

Batc h	H.T.No	Name of the student	Guide Name	Project Title
B1	22705A0369	SHAIK SHAKEER BASHA	Dr A. HEMANTHA KUMAR	Development of Advanced Al composite using reinforcements With BaSO ₄ and WC by Sir casting process
	22705A0357	GUTTAPATI PEERAI AH		
	22705A0372	SK SHASHA VALI		
	22705A0378	SHAIK RASOOLAGARI SUBHAN		
B2	22705A0390	VIJAY GENIMAYYAGARI	Mr. B. SANTHOSH KUMAR	Mechanical characterization of GERF composite reinforced with TiO ₂ -MgO-CuO filler material
	22705A0383	VARDHAN REDDY VALLAPUREDDY		
	22705A0377	SREEHARI EDIGA		
	22705A0361	RAGHU BHOKI		
	19701A0326	NABI RASOOL		
B3	22705A0344	MOHAN BOYA	Mr G.ESWAR BALA CHANDAR	Investigation of mechanical Properties on reinforced carbon fibers PETG using 3D printing
	22705A0366	SAI VENKATESH YERRANAGU		
	22705A0356	PEDDA RANGA SWAMY NAIK SUGALI		
	22705A0351	NARESH KUMAR KUMMARA		
B4	22705A0367	SANJEEVA REDDY SOLA	Dr. P.V. SANJEEVA KUMAR	Fabrication of Portable Hybrid power generation by Vortex induced vibrations aquatic clean energy with solar power wind mill
	22705A0358	YERRAGUNTLA PHANEESWAR REDDY		
	22705A0376	SOMASEKHAR YADAV CHALLA		
	22705A0391	MULI VINODKUMAR REDDY		
B5	22705A0380	THAHAR MULAPALLI	Dr N. KISHORE KUMAR	Development of Hybrid composite material of AL7175(AL ₂ O ₃ & BASO ₄) by using Stir casting
	22705A0386	VENKATA KUMAR KUNTUMALLA		
	22705A0343	MOHAMMAD HUSSAIN SHAIK		
	22705A0347	MUSTHAFA PATAN		
B6	22705A0373	SHRAVAN KUMAR BHEEMISSETTY	Mr N NAGARAJU	Multi characteristics optimization of CNC Drilling process parameters using Fuzzy-Topsis method
	22705A0374	SIVA SANKAR JINKA		
	22705A0392	YASWANATH MEDA		
	22705A0359	PRAVEEN KUMAR YELLANURU		
B7	22705A0375	SIVARAM P	Dr N . SIVARAMI REDDY	Simultaneous Scheduling of Machines and AGVS in Multi machine FMS with alternative routing using Black Widow Spider Optimization Algorithm
	22705A0362	RAJASEKHAR REDDY		
	22705A0365	RAMU		
	22705A0360	PRUTHVIDHAR SAI		



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Batch	H.T.No	Name of the student	Guide Name	Project Title
B8	22705A0345	MUBARAK AKUMALLA	Mr RVNR . SURYA PRAKASH	Simultaneous scheduling of machines and Tools in a multi machine FMS with alternative routing using Black Widow Spider Optimization Algorithm
	22705A0348	NAGA BHUSHAN REDDY BUSUPALLI		
	:22705A0355	PAVAN GUNJAGALLA		
	:22705A0349	NAGENDRA BABU THIPPPANA		
B9	20705A0387	VENKATA RAMANA REDDY MARTHALA	Mr T . MANI MOHAN	A Hybrid ANN-GA approach optimization of engine operating parameters of a CI engine filled Diesel Methanol Blend
	22705A0371	SHARIF DUDEKULA		
	22705A0370	SHARATH KUMAR REDDY KOTA		
	22705A0352	NAVEEN GADDAM		
B10	22705A0393	YASHWANTH REDDY MOLAKATHALLA	Dr B. DEVARAJ NAIK	A Computational fluid dynamics simulation study on Battery Thermal Management using Phase change materials (PCM)
	22705A0382	GOSU VAMSI KUMAR REDDY		
	22705A0353	KARUR NAVEEN		
	22705A0384	THAMATAM VEERA KUMAR		
B11	22705A0379	SUNIL KUMAR CHINNA GUMMA	Mr G . AMARANTH	Impact Of Post-Treatment For Friction Stir Welded Az31 Mg Alloy On Surface Characteristics And Wear behavior by Laser Shock Peening
	22705A0364	RAJU MONDEM		
	22705A0350	NARENDRA YARRAJODU		
	22705A0368	SHAHUL SHAIK		
B12	22705A0395	YUVA KISHORE.K	Mrs K . NAGAMANI	Effect of Flat fins on the performance of Double pipe Heat Exchanger
	22705A0381	VAMSHI KRISHNA VADDE		
	22705A0394	YOGESHWARA SEELAM		
	22705A0388	VENKATA SAI MADA		
B13	22705A0385	KONDU VENKAT	Mr C. THIRUPATH AIAH	Production and Characterization of Al alloy 7075 composite for enhanced mechanical properties
	22705A0363	MONKY RAJESH		
	22705A0389	TANIKANTI VENKATESH		
	22705A0354	RENATI OM SEKHAR		

Project Co-ordinator

B-Sec

HOD,

Dept of Mechanical Engineering.

Head of the Department
Mechanical Engineering
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