



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME) under Tier - I

Approved by AICTE and Permanently Affiliated to JNTUK, Kakinada



DEPARTMENT OF MECHANICAL ENGINEERING

Project Work Title's

B.Tech – VIII Semester / A-Sec

A.Y.: 2025-26

<u>S.No</u>	<u>Batch No</u>	<u>Roll No</u>	<u>Project Supervisor</u>	<u>Project Title</u>
1	1	23765A0318	Dr P Vijay Kumar	Smart Solar Panel System With Thermal Management And Performance Prediction By Using Iot And Machine Learning
2		23765A0319		
3		23765A0324		
4	2	23765A0301	Dr P Ravindra Kumar	Experimental Analysis Of Perforated And Corrugated Fins Using Wind Tunnel Setup
5		23765A0307		
6		23765A0310		
7	3	23765A0315	Dr K Dilip Kumar	Design And Fabrication Of Four Wheeled Electric Buggy For Sustainable Urban Mobility
8		23765A0302		
9		23765A0317		
10	4	23765A0336	S Srinivas Reddy	Mechanical And Tribological Characteristics Of Al 6065 With Boron Carbide And Industrial Slag
11		23765A0321		
12		23765A0329		
13	5	23765A0331	Dr V Dhana Raju	Design And Fabrication Of Portable Hybrid Wireless Ev Charging Vehicle
14		23765A0304		
15		22761A0301		
16	6	23765A0322	D Mallikarjuna Rao	Performance And Emission Characteristics Analysis Of A Engine Using Algal Based On Bio Fuel Blend With Carbon Nanotubes Derived From Botryococcus Braunii
17		22761A0314		
18		23765A0326		
19	7	23765A0303	Dr Ch Siva Sankar Babu	Automated Material Handling Robotic Arm And Computer Vision Based Colour Detection And Voice Controlled
20		22761A0317		
21		23765A0316		
22	8	23765A0311	Dr S Pichi Reddy	Innovative Air Conditioning System With Desiccant Wheel Dehumidification
23		23765A0312		
24		22761A0319		
25	9	23765A0332	K Lakshmi Prasad	Experimental Study Of The Performance Of A Pin Fin Heat Sink Under Forced Convection
26		23765A0323		
27		23765A0335		
28	10	23765A0338	Dr S Rami Reddy	Design And Development Of Hydrogen-Assisted Petrol-Electric Hybrid System
29		23765A0305		
30		22761A0307		

31	11	23765A0325	B Kamala Priya	Design, Fabrication And Performance Evaluation Of A Solar Powered Desalination System Integrated With Activated Charcoal Filtration
32		23765A0328		
33		22761A0302		
34	12	23765A0309	Dr B Sudheer Kumar	Mechanical And Tribological Behaviour Of Al7075 Metal Matrix Composites Reinforced With Fenicocr High Entropy Alloy
35		22761A0330		
36		22761A0312		
37	13	22761A0320	Dr M B S Sreekara Reddy	Design And Fabrication Of A Semi-Automatic Canal Garbage Cleaning Machine
38		22761A0311		
39		22761A0304		
40	14	23765A0306	K Sai Babu	Performance And Emission Analysis Of CI Engine Powered By Waste Cooking Oil Biodiesel And Hydrogen Blends
41		23765A0330		
42		22761A0310		
43	15	23765A0337	S Srinivas Reddy(T808)	Design And Development Of Prototype Of An Electric Sea glider Passenger Vehicle
44		23765A0314		
45		23765A0308		
46	16	23765A0320	S Uma Maheswar Reddy	Design And Fabrication Of Air Powered Car
47		22761A0315		
48		22761A0316		
49	17	23765A0327	V Sankar Rao	Design And Analysis Of A 3d Printed Auxetic Airless Tyre With Integrated Cooling Channels For Electric Two-Wheelers
50		23765A0334		
51		22761A0313		
52	18	23765A0313	K V Viswanath	Performance Evaluation And Development Of A Solar-Powered Grass Cutter With Solar Tracking And Bluetooth-Controlled By Using Arduino
53		23765A0333		
54		22761A0305		

B.Tech – VIII Semester / B-Sec

A.Y.: 2025-26

S.No	Batch No	Roll No	Project Supervisor	Project Title
1	1	23765A0364	Dr P Vijay Kumar	Smart Vehicle Air Monitoring System (Iot Based Intelligent Cabin Monitoring Using ML)
2		23765A0369		
3		23765A0332		
4	2	23765A0347	Dr K Murahari	Design And Fabrication Of 6 DOF Robotic Arm With Additive Manufacturing System For Intricate Structures
5		23765A0341		
6		22761A0333		
7	3	23765A0355	J Subba Reddy	Develoment And Performance Analysis Of A Cost-Effective Fused Deposition Modeling (Fdm) 3d Printer Using Polylactic Acid (Pla)
8		23765A0354		
9		23765A0344		
10	4	23765A0361	Dr A Nageswara Rao	AI Enabled Speech Recognition Drone
11		23765A0360		
12		23765A0363		
13	5	23765A0348	Dr P Ravindra Kumar	Fabrication And IoT-Based Monitoring Of A Thermoelectric Cooling Module
14		23765A0367		
15		22761A0328		

16	6	23765A0342	S Srinivas Reddy	Mechanical And Tribological Characteristics Of Aluminium (6065) With Boron Nitride And Cast Iron Slag
17		23765A0345		
18		22761A0337		
19	7	23765A0373	Dr Ch Siva Sankar Babu	AI Powered Vibration Based Fault Detection In Diesel Engine
20		23765A0339		
21		22761A0339		
22	8	23765A0353	Dr K Dilip Kumar	Design and Fabrication of Four-wheeled Electric Buggy for Sustainable Urban Mobility
23		23765A0352		
24		23765A0346		
25	9	23765A0372	Dr A Dhanunjay Kumar	Experimental Investigation on Mechanical, Wear and Corrosion Characteristics of AZ31/Hap/ Beta TCP Surface Composites Produced Through Friction Stir Processing
26		23765A0375		
27		22761A0324		
28	10	23765A0357	K V Viswanath	IoT Enabled Solar Water Pump For Agriculture Purpose
29		22761A0334		
30		22761A0329		
31	11	23765A0356	Dr S Pichi Reddy	Characterization Of Glass Fiber Reinforced Epoxy Composites Cast Iron Slag As Filler
32		23765A0368		
33		23765A0365		
34	12	23765A0371	Dr V Dhana Raju	IoT-Enabled Safety System for Tractor Rotavator Operation
35		23765A0370		
36		23765A0359		
37	13	23765A0351	Dr A Dhanunjay Kumar	Mechanical And Tribological Behaviour of AZ31 Metal Matrix Composites Reinforced With HEA and Graphene
38		22761A0338		
39		22761A0325		
40	14	23765A0376	Dr A Nageswara Rao	Design And Development Of Advanced Driving Assistance System & Driver Monitoring System for 2 Wheelers
41		23765A0377		
42		22761A0327		
43	15	23765A0362	Dr B Sudheer Kumar	Solar Powered IoT-Monitored Biochar and Syngas Production from Agricultural Waste (AGRO-CHAR)
44		23765A0366		
45		22761A0322		
46	16	23765A0350	K Venkateswara Reddy	Fire Fighting Robot With Dual Mode Operation And Real-Time Video
47		23765A0343		
48		23765A0349		
49	17	22761A0335	Dr K Murahari	Surface Modification of Aluminium 5083 Alloy With Agro Waste Residue Reinforcement /Al ₂ O ₃ Particles Using Friction Stir Additive Manufacturing Process
50		22761A0321		
51		22761A0323		
52	18	23765A0340	J Subba Reddy	Smart Electric Bike With Real Time Battery Thermal Monitoring And Anti Theft Features
53		23765A0358		
54		22761A0326		