

DEPARTMENT OF MECHANICAL ENGINEERING

Project Work Title's

VIII Semester : Section-A

A.Y.: 2024-25

<u>S.No</u>	Batch No	Roll No	Project Supervisor	Project Title
1	1	22765A0303	Dr.S.Pichi Reddy	Mechanical And Wear Characterstics Of Al7075-B4C-Granite Dust Metal Matrix Composite
2		22765A0313		
3		21761A0302		
4	2	22765A0301	Dr.B.Sudheer Kumar	Sleep Detection With Anti Collision System For Automobiles
5		22765A0329		
6		21761A0313		
7	3	22765A0306	Dr. Ch. Siva Sankara Babu	Vibration Based Crack Detection In Aluminium Beams Using Rao-1 Algorithm
8		21761A0310		
9		21761A0314		
10	4	22765A0318	K.V.Viswanadh	Fabrication Of Garbage Collection Rover
11		21761A0304		
12		22765A0319		
13		22765A0315		
14	5	22765A0316	Dr. K. Murahari	Enhancing The Lifespan And Performance Of Agriculture Tillage Tools
15		22765A0321		
16		21761A0325		
17	6	21761A0319	V. Sankara Rao	Fabrication Of Solar Panel Cleaning System
18		21761A0301		
19		21761A0303		
20	7	21761A0320	Dr.M.B.S.Sreekara Reddy	Experimental Vibration Analysis Of Foam Core Gyroid Sandwich Panels
21		21761A0306		
22		21761A0312		
23	8	22765A0324	Dr. P. Vijaya Kumar	Modeling And Cfd Simulation Of Combined Tab And Surface Type Microchannel Heat Sink For Battery Thermal Management
24		21761A0318		
25		21761A0328		
26	9	22765A0311	Dr. P.Ravindra Kumar	Integrated Intelligent Braking And Safety Bumper Module
27		21761A0331		
28		21761A0330		
29	10	22765A0308	S. Srinivasa Reddy	Development Of A Hand Motion – Controlled 360° Rotating Pick And Place Robo
30		22765A0326		

31		21761A0307		
32	11	22765A0323	K.Sai Babu	Experimental Investigation Of CI Engine Performance And Emissions Using Biodiesel Waste Cooking Oil And Hydrogen Blends
33		22765A0307		
34		22765A0322		
35	12	22765A0304	Dr. V. Dhana Raju	Experimental Investigation Of Diesel Engine Performance And Emissions Using Juliflora Biodiesel Blends
36		22765A0312		
37		21761A0305		
38	13	22765A0305	Seelam Srinivasa Reddy	Fabrication And Characterization Of Al6082 Hybrid Composites Reinforced With Boron Carbide And Egg Shell Powder
39		21761A0308		
40		21761A0326		
41	14	22765A0325	Dr. S. Rami Reddy	Design And Fabrication Of Savonius Wind Turbine With Omni-Directional Guide Vanes And Solar Power Integration
42		22765A0327		
43		21761A0327		
44	15	22765A0317	K. Lakshmi Prasad	Fabrication Of Electric Unicycle
45		22765A0309		
46		20761A0369		
47	16	22765A0320	D. Mallikarjun Rao	Design, Analysis And Fabrication Of Maglev Wind Turbine Using Fdm
48		22765A0328		
49		21761A0309		
50	17	21761A0311	Dr.A.Nageswara Rao	Harvesting Energy From Footstep Using Pizeoelectric Sensors
51		21761A0323		
52		21761A0317		
53	18	21761A0322	Dr.A.Dhanunjay Kumar	Cyber-Physical System For Crop Health Monitoring And Treatment Advisory
54		21761A0324		
55		21761A0321		
56	19	22765A0310	B. Kamala Priya	Design & Fabrication Of Trifurcation Pipe For The Prediction Of Variable Head Loss & Pressure Loss
57		22765A0314		
58		21761A0315		

VIII Semester: Section-B

S.No	Batch No	Roll No	Project Supervisor	Project Title
1	1	22765A0332	Dr. P. Vijaya Kumar	Performance analysis of Proton Exchange Membrane Fuel Cell and solid oxide fuel cell systems using MATLAB simulink
2		22765A0331		
3		21761A0360		
4	2	22765A0348	Dr .S. Pichi Reddy	
5		22765A0349		

6		21765A0355		Mechanical and wear characteristics of silicon carbide and aluminium oxide and egg shell powder
7	3	22765A0345	Dr. B Sudheer Kumar	Comparative analysis of material and thickness effect on vehicle crash behaviour with different types of collisions
8		21761A0348		
9		21761A0353		
10	4	22765A0361	Dr. Murahari Kolli	Development of Agricultural tillage tool (Cultivator) through Laser Cladding of Ni-Based Tungsten carbide coating
11		22765A0353		
12		22765A0362		
13	5	21761A0351	Dr M.B.S.Sreekara Reddy	Experimental vibration analysis of foam core honeycomb sandwich panel
14		22765A0336		
15		21761A0344		
16	6	22765A0337	Dr.P.Ravindra Kumar	Solar operated automated shield technology for enhanced grain preservation
17		22765A0335		
18	7	22765A0358	Seelam Srinivas Reddy	Fabrication and Characterization of Al-6082 Hybrid Composites Reinforced With Boron Carbide and Marble Dust
19		22765A0342		
20		22765A0347		
21	8	22765A0360	Dr.A.Nageswararao	Design and Development of a System for Health Improvement and Power Generation
22		22765A0351		
23	9	21761A0359	J.Subba Reddy	Fabrication of Low-Frequency Vibration Isolation Using a Bio-Inspired Cobwed-Zero Stiffness System
24		22765A0333		
25		21761A0342		
26	10	21761A0341	S.Srinivas Reddy	Fabrication of Self-Sustaining Electricity Generation System by Using Flywheel for Electric Vehicle
27		21761A0339		
28		21761A0350		
29	11	22765A0350	Dr. Ch. Siva Sankara Babu	Evaluating TIG and MIG Welding Processes on Aluminium 6061 Alloy Using Experimental and Numerical Simulations
30		22765A0343		
31		21761A0338		
32	12	22765A0352	Dr.V. Dhana Raju	Design and Analysis of Green Hydrogen Generation System
33		22765A0346		
34	13	21761A0336	K.V. Viswanadh	Design and Fabrication of Honey Comb Structure of Bronze Metal by Die 3D Printer
35		22765A0334		
36		21761A0346		
37	14	21761A0356	V.Sankararao	Design & Fabrication of Multipurpose Sewage Cleaning Device
38		22765A0355		
39		22765A0354		
40	15	21761A0343		

41		21761A0362	K.Venkateswara Reddy	Autonomous and manual fire-fighting robot with live video surveillance in real time alerts
42		21761A0334		
43	16	22765A0338	Dr S. Rami Reddy	Fabrication of solar aided power generation using speed breakers
44		21761A0354		
45		22765A0339		
46	17	21761A0333	Dr.A.Dhanunjay Kumar	Soil health assessment using cyber physical system with machine learning techniques
47		22765A0341		
48	18	22765A0344	K. Lakshmi Prasad	Wear and frictional behaviour of different bearing materials
49		22765A0356		
50		21761A0358		
51	19	22765A0330	D. Mallikarjunarao	Design and Fabrication of Iot Based Smart Lavatory Integrated With Partition System
52		22765A0340		
53		21761A0340		
54	20	22765A0359	S. Uma Maheswara Reddy	Development of a Piezoelectric Footwear-Based Power Harvesting System
55		21761A0352		
56		22765A0357		