



DEPARTMENT OF MECHANICAL ENGINEERING

Project Work Titles

Sem & Section: VIII Sem-A

Batch: 2019-23

A.Y.: 2022-23

S. No	Batch No	Roll No	Project Supervisor	Title of the Project
1	1	20765A0315	Dr.S.Pichi Reddy	Characterization Of Hybrid Fiber Reinforced Composites
2		20765A0302		
3		19761A0335		
4	2	20765A0312	Dr K. Murahari	Microstructural And Mechanical Characterization Of Laser Cladded Titanium Alloy, En-36c & Nimonic 706
5		20765A0311		
6		19761A0319		
7	3	20765A0309	Dr P V Chandra Sekhar Rao	Experimental Investigation On Improving The Cooling Performance Of Automobile Radiator By Using Nanofluid
8		19761A0338		
9		19761A0327		
10	4	20765A0305	Dr P Vijay Kumar	Thermal Performance of Organic Phase Change Material for Cooling of Buildings
11		19761A0337		
12		19761A0321		
13	5	20765A0303	Dr Ch Siva Sankar Babu	Effect Of Fuel Additives On Combustion, Performance And Emission Characteristics Of Diesel Engine Fueled With Sapota Biodiesel
14		19761A0331		
15		19761A0343		
16	6	20765A0307	Dr P Ravindra Kumar	Solar Driven Thermoelectric Refrigerator Using Peltier Effect
17		19761A0347		
18		19761A0324		
19	7	20765A0308	Dr K Dilip Kumar	Experimental Analysis And Performance Enhancement Of Vcr With R134a And R404a By Using Sub Cooling
20		19761A0307		
21		19761A0318		
22	8	19761A0323	Dr V Dhana Raju	Influence of Fuel Additives on The Performance, Combustion and Emission Characteristics of Diesel Engine Powered with Waste Plastic Biodiesel.
23		19761A0330		
24		19761A0309		
25	9	19761A0344	S Srinivas Reddy (Sr)	Characterization of Al6082 And Cast-Iron Slag Metal Matrix Composition
26		19761A0328		
27		19761A0314		
28	10	20765A0313	S Rami Reddy	Experimental Investigation Of Olive Kernel Bio Fuel In Diesel Engine
29		19761A0317		
30		19761A0315		

31	11	19761A0322	Dr M B S Sreekara Reddy	Design And Fabrication Of Agriculture Wheel Spraying Machine
32		19761A0340		
33		19761A0316		
34	12	20765A0310	B Sudheer Kumar	Fabrication of Fused Deposition Modeling (FDM) Double Nozzle 3D Printer
35		19761A0310		
36		19761A0303		
37	13	20765A0314	K Lakshmi Prasad	Fabrication of Aqua Oxidizer
38		20765A0301		
39		19761A0342		
40	14	19761A0329	D Mallikarjuna Rao	Analyzing Performance And Emission Characteristics Diesel Engine Fuelled With Annona Squamosa With Additive Diethyl Ether
41		19761A0308		
42		19761A0313		
43	15	20765A0306	B Kamala Priya	Experimental Investigation Of Solar Water Heating System
44		19761A0326		
45		19761A0336		
46		19761A0332		
47	16	19761A0311	S Srinivas Reddy(Jr)	Fabrication Of Solar Based Multipurpose Agriculture Vehicle
48		19761A0301		
49		19761A0305		
50	17	19761A0333	K V Viswanath	Design, FE Analysis And Fabrication Of Cellular Core Sandwich Panels Using Different Infill Core Patterns In Additive Manufacturing
51		19761A0341		
52		18761A03G1		
53		18761A0301		
54	18	20765A0304	A Nageswara Rao	Vehicle Security And Motor Control System Using Rfid And IoT
55		19761A0339		
56		19761A0334		
57		19761A0302		

Sem & Section: VIII Sem – B

S. No	Batch No	Roll No	Project Supervisor	Title of the Project
1	1	20765A0326	V.Sankararao	Design and Fabrication of Semi Automatic Fire Extinguisher
2		19761A0382		
3		18765A0323		
4		19761A0359		
5	2	20765A0316	Dr.K.Murahari	Design and Development of Post Processing Tool For Wire Arc Additive Manufacturing (WAAM) 3D Metallic Component
6		19761A0348		
7		19761A0390		
8	3	20765A0319	B.Udaya Lakshmi	Experimental Investigation of Air Conditioning By Thermoelectric Modules and Solar Power
9		19761A0375		
10		19761A0366		
11	4	20765A0322	A.Dhanunjay Kumar	Investigation of Tribological Characteristics of Magnesium Alloy Composites and Prediction Model Development Using AI Techniques
12		20765A0324		
13		19761A0377		
14	5	20765A0329	K.Venkateswara Reddy	Fabrication of Dual-Axis Solar Tracking System
15		19761A0370		
16		19761A0356		

17	6	19761A0365	K.Sai Babu	Performance and Emission Characteristics of Diesel Engine Fuelled With Rice Bran Oil With The Fuel Additive As Antioxidant
18		19761A0371		
19		19761A0384		
20	7	20765A0318	A.Pratyush	An Assessment on Performance & Emission Analysis of Diesel Engine Fuelled by Juliflora Biodiesel Along With Fuel Additives
21		20765A0325		
22		19761A0352		
23	8	20765A0323	Dr.S.Pichi Reddy	Design & Fabrication of Automatic Emergency Braking System
24		19761A0350		
25		19761A0381		
26	9	19761A0354	Dr.P.Vijay Kumar	Experimental Investigation on Cylindrical Lithium-Ion Battery Pack Thermal Management System Using Tio2 Nanofluid Coolant
27		19761A0374		
28		19761A0394		
29	10	20765A0328	Dr.P.Ravindra Kumar	Modeling and Analysis of Knuckle Joint Using Neural Network Simulation
30		19761A0385		
31		19761A0358		
32	11	19761A0388	Dr.K.Dilip Kumar	Experimental Investigation on Mechanical Properties of AZ31/Seashell Particle-Based Magnesium Composites
33		19761A0351		
34		19761A0386		
35	12	19761A0349	Dr.K.Murahari	Design and Fabrication of Low Melting Materials With Induction Process
36		19761A0360		
37		19761A0355		
38	13	20765A0321	Dr. V.Dhana Raju	Experimental Analysis of Solar PV Characteristics Under Varying Radiation, Tilt Angle And Temperature
39		20765A0327		
40		19761A0373		
41	14	19761A0379	S.Srinivasa Reddy	Experimental Investigation on Mechanical Properties of Aluminium Metal Matrix Composites
42		19761A0372		
43		19761A0387		
44		19761A0376		
45	15	19761A0363	Dr. V.Dhana Raju	Design And Fabrication of an Electricity Generation System Using Solar Panels And Waste Materials
46		19761A0357		
47		19761A0369		
48	16	20765A0320	Dr.M.B.S.Sreevara Reddy	Multi Objective Optimization of Flexible Job Shop Scheduling Problems Using Heuristic Algorithm
49		19761A0389		
50		19761A0361		
51	17	19761A0393	B.Sudheer Kumar	Design and Fabrication of Eco-Friendly Pedal Assisted Quadricycle
52		19761A0364		
53		19761A0391		
54	18	20765A0317	S.Srinivasa Reddy (Jr)	Modelling and Fabrication of Frictionless Braking System
55		20765A0330		
56		19761A0380		
57	19	19761A0378	Dr.Ch.Siva Sankara Babu	Damage Detection of Plate Like Structures Using Model Parameters
58		19761A0368		
59		19761A0367		

Sem & Section: VIII Sem – C

S.No	Batch No	Roll No	Project Supervisor	Title of the Project
1	1	19761A03D5	K V Viswanadh	Investigation of Mechanical Parameters of 3d Printed Honeycomb Sandwich Panels With Different Orientations
2		19761A03D6		
3		19761A03A4		
4	2	20765A0334	S Rami Reddy	An Experimental Assessment of Diesel Engine Performance, Emissions And Vibration Analysis Of Using Waste Mango Seed Biodiesel
5		19761A03D8		
6		19761A03B5		
7	3	20765A0341	A Nageswara Rao	Real Time Detection of Distracted Drivers Using Deep Learning Technique
8		20765A0333		
9		19761A0397		
10	4	20765A0340	K Lakshmi Prasad	Fabrication of Dual-Type Steering Controller For Wheelchair
11		19761A03B2		
12		19761A03A0		
13	5	20765A0337	V Sankara Rao	Enactment of Fiber Reniforced Hybrid Epoxy Composite For Passenger Car Bumper Beam
14		20765A0343		
15		19761A03C5		
16	6	19761A03D1	B Udaya Lakshmi	Design And Fabrication of Phase Change Material (PCM) Cooler
17		19761A03C8		
18		19761A03A9		
19	7	20765A0339	D Mallikarjuna Rao	Design And Fabrication of a Robotic Arm With Four Degree of Freedom
20		20765A0332		
21		19761A03C4		
22	8	20765A0331	B Kamala Priya	Experimental Investigation of Floating Solar tracking System
23		19761A03A1		
24		19761A03B3		
25	9	19761A03B0	K Venkateswara Reddy	Process Design And Optimization For The Milling Cutter For Milling Operation Of Tungsten (Th1) Carbide
26		19761A03C9		
27		19761A03A7		
28	10	20765A0336	A Dhanunjay Kumar	Investigation of EDM Characteristics of Magnesium Alloy Composites And Prediction Model Development Using AI Techniques
29		19761A03D3		
30		19761A03A5		
31	11	20765A0342	Dr S Pichi Reddy	Desgin and Development of Pesticide Spraying Robot
32		17761A03F0		
33		19761A03B6		
34		18761A0317		
35	12	20765A0344	Dr P Vijay Kumar	Fabrication of Overhead Water Tank cleaning System
36		19761A03D9		
37		19761A03D4		
38	13	19761A03B4	Dr P Ravindra Kumar	Fabrication of Solar Operated Agriculture Weeds Removal Model
39		19761A03C7		
40		19761A03B7		

41	14	19761A03B9	Dr K Dilip Kumar	Experimental Investigation on Dry Sliding Wear of Al6061 Hybrid Composite
42		19761A03D7		
43		19761A03C6		
44	15	20765A0338	K Narayana	Fabrication And Experimental Investigation of Solar Wireless Electrical Vehicle Charging System
45		20765A0335		
46		19761A03A3		
47	16	19761A03E0	Dr V Dhana Raju	Experimental Studies on The Effect of Fuel Additives on The Different Attributes of Diesel Engine Using Indian Blackberry Biodiesel
48		19761A03C0		
49		19761A03D2		
50	17	19761A03A8	S Srinivasa Reddy (Sr)	Fabrication of Portable Spot Welding Machine
51		19761A03D0		
52		19761A0398		
53	18	19761A0399	D Mallikarjuna Rao	Analysis of Rpa in Ez flow the Intelligent Automation Platform
54		19761A03A6		
55		19761A03A2		
56	19	19761A03C1	Dr M B S Sreekara Reddy	Free Vibration And Buckling Analysis of Laminated Composite Plates
57		19761A03B1		
58		19761A03B8		
59	20	19761A03C3	B Sudheer Kumar	Design And Fabrication of Eco-Friendly E-Bike
60		19761A03C2		
61		19761A0396		