

**Details of Design and Fabrication Projects for 2020 – 2021**

S. No.	Title of the Project	In-House/ Industrial Project	Members	Guide	Project Classification	Factors Considered	Mapping with POs and PSOs
1.	Design and Fabrication of Angle Welding Clamp	In-house	POOJA T SUBASH K RAHUL S	Dr.N.Nagasubramanian, AP/ Mech.Engg	Product	Time and Cost	PO1,PO2,PO3,PO4, PO5, PO6, PO10, PO11,PO12 PSO1, PSO2, PSO3
2.	Design and Fabrication of Bar Bending Tool	In-house	SABARI RAHUL M PRITHIVI RAJ S VIJAY R	Mr.T.Samynathan AP/ Mech.Engg	Product	Cost, Safety and Standards	PO1,PO2,PO3,PO4, PO5, PO6,, PO9, PO10,PO12 PSO1, PSO2, PSO3
3.	Design and Fabrication of Portable Vibrating Sand Screening Machine	In house	JAYA MURUGAN K ARUN KUMAR K ELANGO S	Mr.T.Samynathan, AP/ Mech.Engg	Product	Time and Cost	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
4.	Design and Fabrication of Adjustable Radial Gang Drilling Machine	In-house	SAKTHISUDARSAN P ASHOK KUMAR M SIDDHARTH S	Mr.T.Samynathan, AP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
5.	Design and Fabrication of Gearless Right Angled Power Transmission	In-house	MUKESH KUMAR BOKIL R ARKESH NANDAK O S MOHAMMED BAZEER B	Dr.S.Porselvi, AP(SG)/ Mech.Engg.	Product	cost and standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
6.	Design and Fabrication of Foot Powered Pump	In-house	YUGENTH M UDHAYA KUMAR E S SUNDARLAL T S B	Dr.P.Sabarinath, ASP/ Mech.Engg	Product	Time and Cost	PO1,PO2,PO3,PO4, PO5, PO6,PO7, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
7.	Design and Fabrication of Quadcopter	In-house	AJAY KUMAR D R B ASWIN RAM P H DEENA DHAYALAN K	Dr.S.Porselvi, AP(SG)/ Mech.Engg.	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3

8.	Design and Fabrication of Multi Wheel Nut Remover	In-house	SURESH BALAJI M SANJAY B SELVAGURU R	Dr.P.Sabarinath, ASP/ Mech.Engg.	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
9.	Design and Fabrication of Handcane Bound Arm Chair	In-house	ARAVIND R KARTHICK K ANISH KUMAR.S	Dr.C.Anbumeenakshi, ASP/ Mech.Engg.	Product	Cost and Safety	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
10.	Design and Fabrication of Regenerative Braking System	In-house	AAKASH K DHIVAKAR S DINESH KUMAR G	Mr.S.Nallathambi. AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
11.	Design and Fabrication of Automatic Arc Welding Machine	In-house	GUHAN M GOKUL RAJ R MADHAVAN T B	Mr.M.Mohanraj, AP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
12.	Design and Fabrication of Arduino Bluetooth Control Rc Car	In-house	DINESH M NAGA ARJUN V MUKESH K	Dr.C.Anbumeenakshi, ASP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
13.	Design and Fabrication of Solinoid Motor	In-house	AATHI MOORTHY R K KAWASHKAR K KUMARAVEL N	Mr.E.V.Ganesh Babu, AP/ Mech.Engg	Product	Cost and Safety	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
14.	Design and Fabrication of Automated Double Hacksaw	In-house	PRADEEP K PRASANNA J AJAY M	Mr.E.V.Ganesh Babu AP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
15	Design and Fabrication of Foot Press Hand Washing Machine	In-house	SUJITH KUMAR P HUSSAIN SHERIFF S THIRUMALAI RAJAN C	Dr.P.Udhyakumar, Professor & Head Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
16.	Design and Fabrication of Tool Holding Device For Friction Welding Machine	In-house	MOHAN G SANTHOSH KUMAR J SRIVARSHAN L	Dr.R.Pandiyarajan AP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3

17.	Design and Fabrication of Mechanical Footstep Power Generator	In-house	PRASANNA SABARI M A VISVA GANESH S SATHISH M	Mr.T.L.Vijayakumar, AP/ Mech.Engg	Product	Cost , safety and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
18.	Design and Fabrication of Increasing Efficiency Of Automatic Sliding Door Using Weight Sensor	In-house	ARAVINDHA KUMAR N R JAY S VIMAL M	Mr.T.L.Vijayakumar, AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
19.	Design and Fabrication of Solar And Wind Hybrid System	In-house	KRISHNA KUMAR B THONNISETHUPATHI A MADHAN KUMAR R	Dr.R.Pandiyarajan AP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
20.	Design and Fabrication of Zero Friction Electromagnetic Braking System	In-house	PRIYADHARSHAN M SIVA PRAKASH S VIJAY M	Dr.R.Ashok kumar, AP(SG)/ Mech.Engg	Application	Cost and Safety	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
21.	Design and Fabrication of Vertical Axis Wind Electrical Generator	In-house	SAKTHIVEL M VIGNESH K S ARJUNKUMAR S	Dr.R.Pandiyarajan, AP/ Mech.Engg	Application	Standards and Safety	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
22.	Design and Fabrication of Adjustable Hammer	In-house	RAMPRABHU G SARAVANAPANDI D PANDIYA RAJAN M	Dr.P.Udhyakumar, Prof. & Head/ Mech.Engg	Product	Time and Cost	PO1,PO2,PO3,PO4, PO5, PO6, PO7,PO8, PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3
23.	Design and Fabrication of 360 Degree Flexible Drilling Machine	In-house	MATHANKUMAR S ABINESH KUMAR M ELANTAMIL RENGARAJ E	Dr.R.Ashok kumar, AP(SG)/ Mech.Engg	Product	Time and Cost	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8,PO9, PO10,PO11,PO12 PSO1, PSO2, PSO3