

**Details of Design and Fabrication Projects for 2021 – 2022**

<b>S. No.</b>	<b>Title of the Project</b>	<b>In-House/ Industrial Project</b>	<b>Members</b>	<b>Guide</b>	<b>Project Classification</b>	<b>Factors Considered</b>	<b>Mapping with POs and PSOs</b>
1.	Design and Fabrication of Motor Powered Forging Hammer Machine	In-house	A.MohamedRashick K.Santhosh S.Saranraam	Dr.P.Udhayakumar, HOD/Mech.Engg.	Application	Time and Cost	PO1,PO2,PO3,PO4, PO5, PO6, PO10, PO11,PO12 PSO1, PSO2, PSO3
2.	Design and Fabrication of Gas Cap Opener	In-house	Sharulatha. K Venkatesh T.R Yogeshwaran .M	Dr.M.R.Thansekhar, . Prof. / Mech.Engg.	product	Cost, Safety and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10,PO12 PSO1, PSO2, PSO3
3.	Design and Fabrication of Oil Expeller	In house	Jesho Vesly J Ganesh Kumar V Jaivignesh G	Dr. P.Sabarinath ASP/ Mech.Engg.	Product	Cost	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12, PSO1, PSO2, PSO3
4.	Design and Fabrication of Paper Cutting and Folding Machine using Geneva Mechanism	In-house	Pratheik Kumar O Vignesh K Kishore Mayan M	Dr.C.Anbumeenakshi ASP/ Mech.Engg.	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12, PSO1, PSO2, PSO3
5.	Design and Fabrication of Conveyor using Geneva Mechanism by Renewable energy	In-house	KarthickBabu V.G Premnath. K.S Vijaysivashankar.A	Dr.C.Anbumeenakshi ASP/ Mech.Engg.	Application	cost and standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3

6.	Design and Fabrication of Floor Cleaner Using Bevel Gear Mechanism	In-house	Jeyakrishnan.K Maharishwar.S Ragul.A	Mr.T. Samynathan AP/ Mech.Engg.	Product	Environment,Safety and cost	PO1,PO2,PO3,PO4, PO5,PO6,PO7, PO9,PO10,PO11,PO12 PSO1, PSO2, PSO3
7.	Design and Fabrication of Air Powered Pneumatic Vehicle	In-house	Srivarshan R M Sundara Pandiyan J Sheikmohamed S	Dr.R.Ashokkumar AP(SG)/ Mech.Engg.	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
8.	Design and Fabrication of Motorized Jack	In-house	Ajith Kumar G Bharath Kumar S Dinesh Kumar S	Mr.E.V.GANESHBABU AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
9.	Design and Fabrication of Mixing Using Bevel Gear	In-house	Umar Ali. A Durairaj.P Thineshbabu.G	Dr.K.J.Nagarajan AP/ 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 Hydraulic Weight Lifting	In-house	Sivakumar J Vignesh Kumar G Naresh Kumar S N	MrE. V.GANESHBABU AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
11.	Design and Fabrication of Single Pedal Tredle Pump	In-house	Karthick Ayyappan B Nagakarthiskeyan N Anitha Rani G	Dr.N.Nagasubramanian AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
12.	Design and Fabrication of Extremity Elevators	In-house	Vishnu Ram J R Sankara Narayanan V K Bharath Yusha V R	Mr.M.Mohanraj AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3

13.	Design and Fabrication of Can Crusher	In-house	Devanandh B Bhuvaneshwaran B Dinesh P	Dr.K.J.Nagarajan 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 Hydraulic Press	In-house	Kalimuthu K B Senthil T B Yogeshwaran S S	Mr.T.L.Vijayakumar AP/ Mech.Engg	Application	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
15	Design and Fabrication of Hydraulic Rolling And Bending Machine	In-house	TirukodiSammars.A LaxmiNarayanan.S Navaprasath.S	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
16.	Design and Fabrication of Multi Tool Adjust Punching Using Cam Mechanism	In-house	Dhamodharan G.I Susilsundar K Arockia Nelson F	Mrs. B.DEVI AP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
17.	Design and Fabrication of Adjustable Hammer	In-house	Aravindh A Bharath G.H. Arikesavan M	Dr.D.Satheeshpandian ASP/ Mech.Engg	Product	Cost , safety and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3
18.	Design and Fabrication of Pneumatic Grease Expanding System	In-house	Yogeshpandi S Sanjai T Sadhaashivam T	Mr. T. Samynathan 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 Belt Conveyor	In-house	Rishivanth P Vignesh P Kishorenath K.S	Dr.D.Satheeshpandian ASP/ Mech.Engg	Product	Cost and Standards	PO1,PO2,PO3,PO4, PO5, PO6, PO9, PO10, PO12 PSO1, PSO2, PSO3

20.	Design and Fabrication of Geneva Conveyor	In-house	Arun J.P Kodeeswaran M Nagoordeen K Premgopi K	Dr.R.Ashokkumar 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 Electro Magnetic Braking System	In-house	Prakash K Praveen Kumar S.J Nandha Kumar B Abdulkadharjainalavudheen A	Dr. P.Sabarinath ASP/ Mech.Engg	Application	Standards and Safety	PO1,PO2,PO3,PO4, PO5, PO6,PO7,PO8, PO9,PO10,PO11,PO12 PSO1, PSO2, PSO3