

## Student Project Details 2020-2021

Sl. No	NAME OF THE STUDENT	PROJECT TITLE	SUPERVISOR NAME	Type * (Application/Research/ Industry)	Relevance With PO`S & PSO`s
1.	Moneshkumar R	Computational fluid analysis of airfoil	Dr. R Ganesamoorthy	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
2.	Shanjai B				
<b>Justification:</b> The students get exposure to CFD Analysis of Heat transfer and flow characteristics of airfoil.					
3.	Ashwin S	Experimental Investigation on Ceramic Filler Reinforced Hybrid Polymer Composites	Dr.V.Dhinakaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
4.	Balaji K				
<b>Justification:</b> This Project helps the students to study the properties of ceramic filler reinforced hybrid polymer composites for its better compose.					
5.	Ganesh S	Investigation of Hybrid Composite Leaf spring Using E-Glass And Flax Fibre	Dr.R Ganesamoorthy	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
6.	Karthik M				
7.	Mageshkanna V				
<b>Justification:</b> This Project helps the students to study the properties of ceramic filler reinforced hybrid polymer composites for its better compose.					
8.	Ayyanar K	Investigation of Microstructure, Corrosion And Mechanical Properties of Dissimilar Joints of Gas Tungsten Arc Welding	Dr.V. Dhinakaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
9.	Manoj Kumar K P				
<b>Justification:</b> Students acquires knowledge on mechanical behavior of uncommon materials composition used in industries.					
10.	Kishore A	Investigation on The Physical, Mechanical And Tribological Properties of The Semi – Metallic Brake Pads For Automobile Applications	Dr. R Ganesamoorthy	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
11.	Rajkumar S				
<b>Justification:</b> The idea and implications imparts the knowledge of mechanical and tribological properties for automobile applications					
12.	Sakthivel N	Fabrication of Foot Step Power Generation	Dr.K.Karthikeyan	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
13.	Shameer T				
<b>Justification:</b> The project details the lean manufacturing and productivity improvements in power generating field					
14.	Durai Raj S	Experimental Approach To Analyze The Percentage of Contraction of Phase Change Material	Dr.K.Karthikeyan	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
15.	Santhosraj K				
16.	Vijay N				
<b>Justification:</b> Project relates the thermal systems and its phase change material when applied with improved efficiency					
17.	Engalathuri divakar	Analysis of Lower Limb Exoskeleton	Mr.A.Suresh	Industrial	PO1,PO4,PO5,PO6, PO11,PSO2
18.	Shakthi vel S				
19.	Shivshankar S				
<b>Justification:</b> From this students acquires knowledge on improvement of mechanical behavior of lower limb exoskeleton by using analysis tool package.					
20.	Balak Pathy D	Manufacturing of gallery pistons using salt core.	Mr. R.Deepaksuresh kumar	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
21.	Dhanush R				
<b>Justification:</b> The project demonstrates the new manufacturing technique to manufacture the piston in automobile application.					
22.	Hasunfur riyaz M S	Experimental wear analysis of aluminium graphene nano composite by powder metallurgy	Mr.J.Lokeshkumar	Research	PO1,PO2,PO3,PO4,PO 5,PO9,PO10,PO11,PO1 2, PSO1,PSO2
23.	Jaykumar M				
<b>Justification:</b> The project provides different applications of aluminium graphene nano composite for research output.					
24.	Kishore M	Experimental Tensile And Hardness Analysis Of Aluminium Graphene Nano Composite By Powder Metallurgy	Mr.J.Lokeshkumar	Research	PO1,PO2,PO3,PO4,PO 5,PO9,PO10,PO11,PO1 2, PSO1,PSO2
25.	Mohamed Shahed L				
<b>Justification:</b> The project provides different applications of aluminium graphene nano composite for research output.					
26.	Aatif Aftab	Design Analysis And	Mr.K.R.Yuwaraj	Industrial	PO1, PO2, PO3, PO4,

27.	Balakumara Narayanan V	Implementation of Aluminium – Silicon Carbide – Zirconia Composite Spur Gear For Automotive Applications			PO5, PO9, PO11, PSO1
<b>Justification:</b> The students can able to design and distinguish the new material behaviour for research purpose					
28.	Prem Kumar P	Properties And Characterization of Al Nano Graphene Composite By Powder Metallurgy	Mr.J.Lokeshkumar	Research	PO1,PO2,PO3,PO5,PO 6,PO9,PO10,PSO2
29.	Tamilbharathi				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of aluminium nano materials for various manufacturing applications					
30.	Bachu reshmanth	lot Based Economical Semi-Automated Mango Jelly Laying Out Machine	Mr.K.R.Yuwaraj	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
31.	Mukesh				
32.	Dadi pavan kumar				
<b>Justification:</b> The students can able to devising and testing to improve the performance of new machine					
33.	Mohan K S	Design fabrication and comparative analysis of industrial safety helmet using glass fibers reinforced with epoxy resin	Dr.S.Ravi	Industrial	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
34.	Vishal R				
35.	Mohan D				
<b>Justification:</b> The students can able to devising and testing to improve the performance of safety helmet for industrial application.					
36.	Abul Kalam Azad A	Mechanical properties of glass fibre reinforced polymer infused with silicon carbide and aluminium oxide filler	Dr.V.Dhinakaran	Research	PO1,PO2,PO3,PO5,PO 6,PO9,PO10,PSO2
37.	Adharsh S				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of composite materials for various manufacturing applications					
38.	Hari Hara Shudhan M	3D printed reinforced abs structure with various levels of infill using buckling method	Mr.A.Suresh	Research	PO1,PO2,PO3,PO5, PSO1,PSO2
39.	venkat krishnan D				
<b>Justification:</b> Students can experiment the knowledge of additive manufacturing operations to improve the performance efficiency.					
40.	Damaramadugu saicharan	Fabrication and testing of fiber reinforced composite material	Mr.K.Krishnakumar	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
41.	Narra nikhil Babu				
<b>Justification:</b> The students can able to create and test a new composite material for various engineering applications.					
42.	Saiganesh PV	Surface Characterization Of MWCNT Coated Super Alloy Nimonic C263 Based On AFM and XRD	Mr.K.Krishnakumar	Research	PO1, PO4, PO5, PO9, PO10, PO11
43.	Shaik Areef				
<b>Justification:</b> This Project helps the students can acquire the knowledge of coating technology to improve character of alloy for various applications					
44.	Kalamsetti bharathwaz	Fuel efficiency increasing system by using peltier air preheated system	DR.B.R.Rameshbapu	Industrial	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
45.	Posimreddy nanda sai reddy				
46.	Reddy				
<b>Justification:</b> The students can able to understand the peltier air preheated system					
47.	Santhosh P	Design &analysis of drum brake	Dr.D.Vijayaganapathy	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
48.	Sundar M				
<b>Justification:</b> The students can able to design and conclude a new safety part for automobile application with new material					
49.	Hemnath L	Effect of Microstructure, Tensile Strength, Hardness of Aluminium Alloy With Addition of Zinc (Zn)	DR.B.R.Ramesh bapu	Research	PO1, PO4, PO5, PO9, PO10, PO11
50.	Koushik V S				
<b>Justification:</b> This Project helps the students can aquire the knowledge of various properties, mechanical behaviour of aluminium alloy with zinc materials for various manufacturing applications					
51.	Harin Kumar R	Development of A Novel Fiber Based Polymer Composite For Additive Manufacturing Process	Mr.R.Kishore	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
52.	Jeeva K				
53.	Kannan R S				
<b>Justification:</b> This Project helps the students can develop a new novel fiber based polymer composite for various additive manufacturing applications					
54.	Adarsh Praveen Y	Design and analysis of an industrial vacuum gripper	Dr.Rajarasalnath	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
55.	Ajith T S				
<b>Justification:</b> The students can able to design and conclude a material handling part for various industrial applications					
56.	Akilan P	Finite element analysis and flow characteristics on radiator fins with different design	Dr.Rajarasalnath	Research	PO1,PO4,PO5,PO6, PO11,PSO2
57.	Varun Kumaar PV				

		configuration by ANSYS/CFD			
<b>Justification:</b> The students can able to illustrate to improve the radiator fins efficiency with new design concepts					
58.	Karthick M	Development And Mechanical Properties of Spur Gear Using Coir And Glass Fibre Reinforced Composites	Dr.S.Ravi	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
59.	Mohammed Ajnash S				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of coir and glass fibre reinforced composites for industrial applications					
60.	Cherukuri Sriharsha	Effect of Boring on Hardness And Wear Behaviour Of En-24 Tool Steels	Mr.B.Yogesh Kumar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
61.	Duddugunta bharath kumar				
<b>Justification:</b> This project shows how to change the behaviour of special tools in machining area					
62.	Sukesh AK	study on mechanical properties of banana fibre reinforced polymer composites	Dr.S.Ravi	Industrial	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
63.	Vignesh D				
<b>Justification:</b> Students can acquire the knowledge to study analysis of properties of new composite materials					
64.	Kalahasthi sumanth	Fatigue behaviour of welded t347 stainless steel	Dr.V.Dhinakaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
65.	yagnesh A				
<b>Justification:</b> Students can acquire the knowledge to fatigue analysis of welded stainless steel					
66.	Harikrishnan M	Studies on mechanical properties of jute/e-glass fiber reinforced epoxy hybrid composite.	Dr.S.Ravi	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1.
67.	Vijay M				
<b>Justification:</b> Students can acquire the knowledge to study analysis of properties of new composite materials					
68.	Surya S	Numerical simulation of flexural strength for reinforced additive manufactured polylactic acid	Mr.A.Suresh	Research	PO1,PO4,PO5,PO6, PO11,PSO2
69.	Vignesh A				
<b>Justification:</b> The students can able to illustrate to improve the strength through data analysis method					
70.	Prashanth P	Experimental Investigation On The Mechanical Behavior Of Magnesium Based Metal Matrix Composites	Mr.S.Nagenderan	Research	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO11,PO12, PSO1,PSO2
71.	Surendhar G				
<b>Justification:</b> This project helps the students can acquire the knowledge of various properties, mechanical behaviour of magnesium base MMC for various manufacturing applications					
72.	Kirankumar P	Infill pattern and density effects on the mechanical properties of 3d printed pla material	Mr.P.Subash	Industrial	PO1,PO2,PO3,PO5, PSO1,PSO2
73.	Mukesh Kumar L				
<b>Justification:</b> Students can experiment the knowledge of materials for additive manufacturing operations to improve the performance efficiency.					
74.	Gokul nath S	Fabrication And Analysis of Glass Fibre And Coir Fibre For Composite In Leaf Spring	DR.B.R.Rameshbapu	Research	PO1,PO4,PO5,PO6, PO11,PSO2
75.	Prem kumar v				
<b>Justification:</b> The students can able to devising and testing to improve the performance of leaf spring					
76.	Ajay V	Computational Investigation of Railway Bogie Frame	DR.B.R.Rameshbapu	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
77.	Ganapathy Subramanian M				
<b>Justification:</b> This project helps the students to devise the mechanical behaviour of automotive body part by using analysis tool					
78.	Barath Yogeshwaran K	Additive manufacturing reinforced abs with mild steel under various levels of infill using compression analysis	Mr.A.Suresh	Industrial	PO1,PO2,PO3,PO5, PSO1,PSO2
79.	Dilli Babu S				
<b>Justification:</b> Students can experiment the knowledge of materials for additive manufacturing operations to improve the performance efficiency.					
80.	janakiraman G	Microstructural and mechanical properties of magnesium reinforced composites	Mr.S.Nagenderan	Research	PO1,PO2,PO3,PO5,PO6,PO9,PO10,PSO2
81.	Muthu ramanan M				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of magnesium reinforced composites for various manufacturing applications					
82.	Ganesh G	Experimental study of vibration analysis on engine using biofuels	Dr.A.Dhanasekaran	Research	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO11,PO12, PSO1,PSO2
83.	Rajesh R 1998				
<b>Justification:</b> Students can experimenting the knowledge to study about vibration analysis of bio-fuels in engines					
84.	Gokulnath P	Design and analysis of tractor rear axle casing	Mr.S.Sivaraj	Industrial	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
85.	Shangar Ananth K				
86.	Venkat Hariharan S				
<b>Justification:</b> This project helps the students to design and devise the mechanical behaviour of automotive body part by using analysis tool.]					

87.	Rishi Kailash N	CFD analysis of solar flat plate collector	Mr.G.K.Kannan for Mr.Lokesh	Research	PO1,PO4,PO5,PO6, PO11,PSO2
88.	Roshan Kumar G				
89.	Sriram V				
<b>Justification:</b> This project helps the students to devise the performance of solar panel by using analysis tool.					
90.	Sathasivam N	Development of high strength and toughness on a356/ sicp composites using rotary casting route	Dr.Gurusamy	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
91.	Udhaya Kumar V K				
92.	Vignesh J M				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of AA356/ SiC <sub>p</sub> composites using rotary casting route for various manufacturing applications.					
93.	Balasirokshan N A	Experimental Investigation Of Glass Fibre Reinforced Plastic With Coir Fibre	Dr.A.Dhanasekaran	Research	PO1,PO2,PO3,PO4,PO 5,PO9,PO10,PO11,PO1 2, PSO1,PSO2
94.	Dilip Kumar M				
<b>Justification:</b> This project helps the students can acquire the knowledge of various properties, mechanical behaviour of glass fibre reinforced plastic with coir fibre for various manufacturing applications					
95.	Celocious Alltrin M F	FEA Evaluation Of The Interfacial Effect On The Mechanical Properties Of A356/Sic/Al2 O 3 Metal Matrix Composites	Dr.Gurusamy	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2,
96.	Kumaran S				
<b>Justification:</b> This project helps the students to evaluate the mechanical behaviour of non ferrous materials by using FEA tool					
97.	Petchi Prakash S	Lithium Ion Battery	Mr.Vinithkumar	Industrial	PO1,PO4,PO5,PSO2
98.	Ramanathan R				
<b>Justification:</b> The students can able to devising and testing the new battery					
99.	Anand Rao S G	Comparative Analysis of Helical Steel Springs With Composite Springs Using Finite Element Method	R.Deepak suresh kumar	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
100	Arun Prabu P				
<b>Justification:</b> This Project helps the students to correlate the mechanical behaviour of automotive body part by using analysis tool					
101	Abraham A	Microstructure and mechanical properties of CNT/a356 aluminium matrix composites prepared by vacuum casting.	Dr.Gurusamy	Research	PO1, PO4, PO5, PO9, PO10, PO11
102	Bharath G				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of aluminium composite materials for various manufacturing applications					
103	Jagadeep M V	Investigation of surface roughness and optimization of machining parameters in drilling process of aluminium alloy 6065	Mr.Kannan G K	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
104	Ranjith L				
<b>Justification:</b> Students can able to classify and compare the machining parameters to get exact value to improve the surface roughness					
105	Bharanitharan M	Fabrication And Testing Of Composite Propeller Blade In Sisal Fibre	Mr.Balamurali	Research	PO1,PO2,PO4,PO9, PO10,PO11,PO12,PSO 2
106	Niranjan R				
<b>Justification:</b> The students can able to devising and testing to improve the performance of propeller blade					
107	Gopinath G	Experimental investigation and optimal prediction of process parameters on aluminium reinforced composite fabricated by stir cum squeeze casting method	Dr.Gurusamy	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
108	Gurunadan M				
<b>Justification:</b> Students can able to classify and compare the machining parameters to get exact value to improve the squeeze casting performance					
109	Abbas S	Study of hybrid composite brake liner material	Dr.A.Dhanasekaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
110	Janardhanan N				
111	Kalidasan K				
<b>Justification:</b> Students can acquire the knowledge to study analysis of properties of new composite materials					
112	Aravind K	Preparation of aluminium foam by using gas injection method	Dr.A.Ramesh	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
113	Dhaneshpraveen V				
<b>Justification:</b> Students can experimenting the knowledge of manufacturing the aluminium foam with new engineering process					
114	Sathish Kumar S	Preparation of aluminium foam by using passing chemical blowing agents	Dr.A.Ramesh	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
115	Suryanath S				
<b>Justification:</b> Students can experimenting the knowledge of manufacturing the aluminium foam with new engineering process					
116	Bharath Kumar S	Experimental investigation on thermal properties of nano sio <sub>2</sub> /paraffin phase change material (PCM) for solar thermal energy	Mr.R.P.Dhivakar Raviram	Research	PO1,PO2,PO3,PO4,PO 5,PO9,PO10,PO11,PO1 2, PSO1,PSO2
117	Munusamy U				

		storage applications			
<b>Justification:</b> Students can experimenting the knowledge for thermal energy storage application					
118	Jeevarathinam S	Assessment of cutting process parameters in cryogenic machining of duplex stainless steel	Mr.Vinayagamoorthy.M	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
119	Tarun R				
<b>Justification:</b> Students can experimenting the knowledge of manufacturing operation for duplex SS					
120	Rajeshkannan M	Studies on properties of aa6063 – Tib2 composites produced by stir casting process	Dr.V.Dhinakaran	Research	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO11,PO12, PSO1,PSO2
121	David selvaraj				
122	Thirunavukarasu				
123	Subash K				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of AA6063 – TiB2 composites produced by stircasting process for various manufacturing applications					
124	Sai Prasad S	Mechanical behaviour of joined and disjoined glass fiber with jute material using epoxy laminates	Mr.Kannan G K	Research	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO11,PO12, PSO1,PSO2
125	Saran B				
126	Sushan Vasant Kumar				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of glass fiber with jute material using epoxy laminates for various manufacturing applications					
127	Chowdary	Analysis of composite leaf spring using FEA for light vehicle mini truck	R.Deepak suresh kumar	Research	PO1, PO4, PO5, PO9, PO10, PO11
128	Vignesh R				
<b>Justification:</b> This Project helps the students to correlate the mechanical behaviour of automotive body part by using analysis tool					
129	Kevin C A	Ballistic test of kevlar and an epoxy nano composite	Mr.Parthiban	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
130	Kumaresh R				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of ballistic test of kevlar and an epoxy nano composite for industrial applications					
131	Jawaharganesh S	Frictional performance on various speed and pressure for cardanol as a binder in high friction composite material using pin on disc	Mr.Kannan G K	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
132	jawaharsanthosh S				
<b>Justification:</b> The students can acquire the knowledge of various parameters, mechanical behaviour of composite materials for various automobile applications					
133	Subash G	Analysis of heat transfer co-efficient in nano fluids	Mr.S.Sivaraj	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
134	Suriya M				
<b>Justification:</b> This Project helps the students to correlate the thermal behaviour of nano fluids by using analysis tool for heat transfer application					
135	Naveen Selva G	Development of a natural fiber based abs composite for additive manufacturing process	Mr.R.Kishore	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
136	Sri Ramana Karthikeyan B				
<b>Justification:</b> This Project helps the students can develop a natural fiber based abs composite for manufacturing applications					
137	Chandru S	Material testing and characterization of e glass fibre laminate with Al 8011 in addition of aluminium oxide	Dr.M.D.Vijayakumar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
138	Dinesh Khanna B				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of E-glass fibre laminates with AL 8011 for various manufacturing applications					
139	Bismilla Khan S	Fabrication and characterization of e glass fibre with aluminium 8011 with addition of aluminium oxide	Dr.M.D.Vijayakumar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
140	Thinakaran K				
<b>Justification:</b> The students can able to devising and testing to improve the performance of new composite material					
141	Fathima Yasin Fahmidha	Multi response optimization of machining parameters for turning stainless steel using grey relational analysis in the taguchi method	Dr.V.Dhinakaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
142	Ragalakshmi S				
143	Stella I				
<b>Justification:</b> Students can acquire the knowledge of parameter narrow down and analysis of operations to improve the performance efficiency.					
144	Mugundhan S	Strength of fused deposition modeling prints with variable print orientation	Mr.Praveenraman	Industrial	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
145	Mukilan M R				
<b>Justification:</b> Students can experiment the knowledge of additive manufacturing operations to improve the performance efficiency.					
146	Harish E	Investigation on material behaviour of e glass fibre lamination with aluminium in 8011 with addition of aluminium oxide	Dr.M.D.Vijayakumar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
147	Jana V				

<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of E-glass fibre laminates with AL 8011 for various aerospace applications					
148	Mohanchandar	experimental investigation on the mechanical behaviour of magnesium alloy/tic metal matrix composites	Mr.P.Subash	Research	PO1,PO2,PO3,PO4,PO 5,PO9,PO10,PO11,PO1 2, PSO1,PSO2
149	Praveenkumar R				
<b>Justification:</b> Students can experimenting the knowledge to analyze the mechanical behaviour of special alloy material					
150	Abishek H	Performance analysis of different types of heat exchangers using c++ software	Mr.S.Sivaraj	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1
151	Hariharan R				
<b>Justification:</b> Students can experimenting the knowledge to validate about performance of heat exchangers using C++ software tool					
152	AMURUDHIN M	DESIGN AND ANALYSIS OF COMPOSITE PISTON	Dr.D.Vijayaganapathy	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
153	DINESH BABU B				
154	RAJESH R 1999				
<b>Justification:</b> This Project helps the students to design and correlate the mechanical behaviour of automotive part by using design and analysis tool					
155	Kailash S	Material testing and characterization of e glass fibre laminate with al 8011 in addition of aluminium oxide	Dr.M.D.Vijayakumar	Research	PO1, PO4, PO5, PO9, PO10, PO11
156	Swaroop Das P				
157	Vishnu V				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of E-glass fibre laminates with AL 8011 for various aerospace applications					
158	Moganesh M	Augmented mechanical properties of magnesium az91 reinforced with graphene	Mr.K.R.Yuwaraj	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
159	Muralitharan K				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of magnesium AZ91 reinforced with graphene for various aerospace applications					
160	Buvanesh K	Experimentation and optimization of cutting parameters of abrasive water jet machining on aluminium alloy (aa7075) through TLBO algorithm	Mr.K.Krishnakumar	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
161	Thillai Vignesh I				
<b>Justification:</b> Students can acquire the knowledge of parameter narrow down and analysis of operations to improve the performance efficiency with new algorithm					
162	Sriram V A	Design analysis and implementation of aluminium – silicon carbide – zirconia composite spur gear for automotive applications	Mr.R.P.Dhivakar Raviram	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
163	Yogeshwaran R				
<b>Justification:</b> The students can able to design and correlate a material for a power transmitting part various engineering applications					
164	Tamizharasu P	Melting/ Solidification Characteristics Of Paraffin Based Nano-composite For Thermal Energy Storage Application	Mr.R.P.Dhivakar Raviram	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
165	Vignesh S				
<b>Justification:</b> This Project helps the students can acquire the knowledge of melting/ solidification characteristics of paraffin based nano-composite for thermal energy storage application					
166	Ishaq Sheriff I	Design and analysis of h-darrieus wind turbine using cfd analysis	Dr.A.Dhanasekaran	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
167	Srirajan C				
<b>Justification:</b> The students can able to design and correlate a performance H-Darrieus wind turbine using CFD analysis tool package					
168	Jawahar Srinivas S	Comparison analysis of different lattice structure applied in atv hub using FEA method	Mr.R.Kishore	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
169	Padma Prvin Praghagar V S				
<b>Justification:</b> Students can experimenting and correlate the knowledge of FEA tool to improve the performance efficiency of ATV HUB					
170	Hari Krishna R	Design & performance optimization of disc brake	Dr.D.Vijayaganapathy	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
171	Jeyaprakash M				
<b>Justification:</b> The students can able to design and correlate a performance automotive brake part					
172	Kavimani S	Friction and wear properties of bio based abrasive in a high friction composite material	Mr.Vinayagamoorthy.M	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
173	Perumal A				
174	Shanmuga Sundar B				
<b>Justification:</b> The students can acquire the knowledge of various properties, mechanical behaviour of bio based abrasive in a high friction composite for automobile applications					
175	Poovarasan P	Experimental Investigation Of Stir	Mr.Vinayagamoorthy.M	Research	PO1, PO4, PO5, PO9, PO10, PO11, PSO1,

176	Praveen G	Welded An1100 Aluminium Alloy			PSO2
<b>Justification:</b> Students can experiment their knowledge of stir welding operations to improve the performance efficiency.					
177	Raghul B	Emission and vibrational analysis of CI engine using animal fat oil	Dr.D.Vijayaganapathy	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
178	Rishi Raaj Keerthy				
<b>Justification:</b> Students can experimenting the knowledge to study about pollution and vibration analysis of bio-fuels in CI engine					



## Student Project Details 2019-2020

Sl.No	NAME OF THE STUDENT	PROJECT TITLE	SUPERVISOR NAME	Type * (Application/Research/ Industry)	Relevance With PO'S & PSO's
1.	Eshwar J	Microstructural analysis of tantalum nitride coating and its properties on mild steel substrate	Dr.B.R.Ramesh Babu	Research	PO1,PO2,PO3,PO4,P O5,PO6, PO8,PO11,PO12, PSO1,PSO2
2.	Santhanakrishnan				
3.	Srinivasa Raghavan				
<b>Justification:</b> This Project helps the students to study the properties of tantalum nitride coating on mild steel for its better compose..					
4.	Alagappan M	Numerical investigations of different lattice structure of ABS manufactured by FDM process	Mr.M.D.Vijayakumar	Research	PO1,PO3,PO4,PO5,P O6,PO7,PO11,,PSO1
5.	Saran A				
6.	Lokesh Khanna M				
7.	Chandan K				
<b>Justification:</b> The Project estimates the different lattice structure of ABS which infers the manufacturing process and the product.					
8.	Muthu Selvam P L	Investigation of Impact test on carbon fibre PLA reinforced with PLA and ABS	Mr.A.Suresh	Application	PO1,PO2,PO3,PO4,P O7,PO8,PO9,PO10,P O11
9.	Nanthakumar S				
10.	Premkumar.G				
<b>Justification:</b> This project demonstrates the impact test on reinforced materials gives the summary of different types of applications.					
11.	Nirmal Kumar G	Strength of 3D prints with variable print orientation	Mr.R.Kishore	Application	PO1,PO2,PO3,PO5, PSO1,PSO2
12.	Srinath M				
<b>Justification:</b> Students can acquire knowledge about the trend setting printing industry and modern manufacturing techniques.					
13.	Deepak Ganesh M J	Effect of lattice structure on mechanical properties of material manufactured in FDM process	Mr.M.D.Vijayakumar	Application	PO1,PO2,PO4,PO5,P O6,PO9,PO11,PO12.
14.	Vimal G				
15.	Nirmal Kumar.C				
16.	Vijay E				
<b>Justification:</b> The Project measure the effect of lattice structure on mechanical properties of material manufactured in FDM process.					
17.	Varsha R	Mechanical behaviour on PLA and ABS reinforced polymer with carbon PLA	Mr.A.Suresh	Application	PO1,PO2,PO3,PO5, PO10,PO11, PSO1.
18.	Muhil Varnan N				
19.	Raj Kumar M				
<b>Justification:</b> Students acquires knowledge on mechanical behavior of uncommon materials composition used in industries.					
20.	Srinath S	Mechanical and tribological behaviour of AZ91/ZrSiO4 composites	Dr.Mohanavel	Research	PO1,PO2,PO4,PO5,P O6,PO9,PO10,PSO2
21.	Vigneshwaran A				
22.	Vijay K				
<b>Justification:</b> This project details the tribological behaviour of composites applies in automobile industry					
23.	Immanuel Bill Edwin	Analysis of mechanical behaviour of upright of ATV vehicle	Mr.R.Kishore	Application	PO1,PO2,PO3,PO5,P O7,PO9,PSO1
24.	Nithish R				
25.	Ranjith K				
<b>Justification:</b> This project demonstrates the study of ATV Vehicle supports the automobile sector.					
26.	Harisha R	Experimental approach to analyze the coefficient of expansion and contraction of phase change material	Dr.K.Karthikeyan	Industry	PO1,PO2,PO4,PO9, PO10,PO11,PO12,PS O2
27.	Swetha S				
<b>Justification:</b> Solar energy production and utilization can be understood by the experimental approach on phase change materials.					
28.	Abil Thomas L A	Design and Analysis of an Industrial Vacuum Gripper	Mr.Yuwaraj	Industry	PO1,PO2,PO3,PO4,P O5PO8,PO9,PO10, PSO1,PSO2
29.	Harvind Viswanath				
<b>Justification:</b> This project provides the analysis of gripper used robotic applications can be served in medical field.					
30.	Arokia jeya sudha	Ergonomic analysis of Royal Enfield Crank case assembly	Mr.A.Suresh	Industry	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PSO2
31.	Hemavathi E				
32.	Shyam sunder V				
<b>Justification:</b> This project helps in optimization of crank case assembly ergonomics.					
33.	Muthu Kumar S	Effect of CSA reinforcement on wear behaviour of aluminium alloy matrix composite	Mr.M.D.Vijayakumar	Application	PO1,PO3,PO5,PO7,P O9,PO11,PO12
34.	subhash kumar A				
35.	vignesh R				
<b>Justification:</b> The project interprets the metal matrix composites and its effects which strengthens the material study.					
36.	Rahul Raj S	Microstructure and Mechanical Properties of Friction stir welded	Mr.P.Subash	Research	PO1,PO3,PO5,PO8,P O11
37.	Rajesh R				
38.	Sivanalan K				



		AL5052 and AL6063			
<b>Justification:</b> The friction stir welding process is useful to understand the microstructure and its variances for incorporate different materials.					
39.	Ganesh C	Performance and emission characteristics of CI engine fuelled with bio-diesel blends	Mr.Dhiwakar Raviram	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PSO1,PSO2
40.	Rajagowthaman R S				
<b>Justification:</b> This study describes the bio diesel blends used in CI Engines for better performance.					
41.	Sriyapu Reddy Bhuvaneshwar Reddy	Disengageable Drive Shaft	Dr.B.R.Ramesh Babu	Application	PO1,PO4,PO5,PSO2
42.	Sridhar K				
<b>Justification:</b> The project demonstrates the drive shaft disengagement helps in reframe the vehicle design and development.					
43.	Abishek P	Mechanical properties of AA5052/TiN composites prepared through stir casting route	Dr.Mohanavel	Research	PO1,PO2,PO4,PO5, PO11,PSO2
44.	Mohan M S				
45.	Yuvaraj P				
<b>Justification:</b> The friction stir welding process is useful to understand the microstructure of MMC and its variances to incorporate different materials.					
46.	Deepak A	Material Characterization Of Aluminium Laminate Hybrid Composite	Mr.M.D.Vijayakumar	Industry	PO1,PO4,PO5, PSO1, PSO2
47.	Prem S				
48.	Kathirvel K				
<b>Justification:</b> The project provides different applications of aluminium laminated hybrid composite.					
49.	Dharmaraj K	Ergonomic analysis of pressure die casting industries	Mr.A.Suresh	Industry	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PS O2
50.	Jeeva V				
51.	Sharma G				
<b>Justification:</b> Through this project ethical and social responsibility will be learned by the students.					
52.	Maadesh.E	Increasing the efficiency of flat plate solar collector using thermoelectric transducer	Dr.A.Dhanasekaran	Application	PO1,PO2,PO4,PO9, PO10,PO11, PO12,PSO2
53.	Madhusudhan B				
54.	Sandeep R S				
<b>Justification:</b> This project helps in the better understanding of the flat plate solar collector and its improvisations falls in engineering and society					
55.	Nice Noble	Mechanical characterization and comparison of glass fiber and fiber reinforced with aluminium and graphite powder	Mr.R.Kishore	Application	PO1,PO2,PO4,PO5,P O6,PO9,PO11,PO12,P SO2
56.	Riyaz Ahamed H M				
<b>Justification:</b> This project gives the students a good exposure of recent materials in trend such as graphite used in many new fields.					
57.	Deepak Kumar K	Headers line productivity improvement(atleast50 %) using lean manufacturing	Mr.Krishna kumar	Industry	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PSO1
58.	Gowtham Priyan				
<b>Justification:</b> The project details the lean manufacturing and productivity improvements.					
59.	Mohamed Jaasim H	Experimental and Computaional Investigation of Compression Test on Reinforced Additive Manufactured ABS and PLA	Mr.A.Suresh	Industry	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PSO1
60.	Tamilarasan B				
61.	Praveen Kumar.R				
<b>Justification:</b> This project demonstrates the impact test on reinforced materials gives the summary of different types of applications.					
62.	Bhuvanesh S	Mechanical enhancement on cryogenically treated ADC material	Mr.Muthuraman	Application	PO1,PO2,PO4,PO5,P O6,PO10,PSO2
63.	Santhosh Kumar P				
<b>Justification:</b> In the field of research and development the cryogenic treated material study					
64.	Raghul S	Retrofitting of Electrostatic Precipitator using Fabric Filter in Power Plant	Mr.M.D.Vijayakumar	Application	PO1,PO2,PO4,PO10, PO11,PO12,PSO1,PS O2
65.	Shelvaa Muthu Kumaran N				
<b>Justification:</b> This project helps the students to acquire knowledge in design and development of electrostatic precipitator using fabric filter.					
66.	Naveen Raghul R	Defect reduction in ring gear manufacturing	Mr.Yogesh kumar	Industry	PO1,PO3,PO4,PO5,P O7,PO8,PO9,PO10,P O12, PSO1,PSO2
67.	Naveen Kumar S				
<b>Justification:</b> Students were expertise in the gear manufacturing achieving reduction in defects help to gain knowledge in manufacturing field.					
68.	Gokul Ram V	Exploration on mechanical characterization of natural fibre matrix	Dr.Mohanavel	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PO12, PSO1, PSO2
69.	Mukilarasan C				

		composites produced through hand-lay method			
<b>Justification:</b> The project makes the students to expertise in metal matrix composite with natural fibres.					
70.	Chandran A	Ergonomic & Environmental Analysis in Pressure Die Casting Towards Employees Fatigue	Dr.K.Karthikeyan	Industry	PO1,PO3,PO4,PO5,P07,PO9,PO10,PO12,PSO2
71.	Dharmaraj K				
72.	Kathires R				
<b>Justification:</b> This project helps the working men to become free from fatigue by the ergonomic analysis in die casting.					
73.	Mohamed arif J	Design And Development of Seed Sowing Drone	Mr.A.Suresh	Application	PO2,PO4,PO5,PO6,P07,PO8,PSO1,PSO2
74.	Mohamed Asif J				
75.	Chandira Kumar S				
76.	Jayakumar A				
<b>Justification:</b> This project demonstrates the design and development of seed sowing drone helps the agricultural community and to society.					
77.	Tamil Arasu D	Performance and Emission Characteristics of CI Engine Fuelled with Bio diesel - diesel blends	Mr.Dhiwakar Raviram	Research	PO1,PO3,PO4,PO5,P07,PO9,PO10,PO12,PSO2
78.	Kalayana Sundaram				
<b>Justification:</b> This study describes the bio diesel blends used in CI Engines for better performance.					
79.	Aswin S	Design and performance analysis of sustainable dryer for geo polymer bricks	Dr.A.Dhanasekaran	Application	PO1,PO4,PO5,PO6,PO11,PSO2
80.	Mansoor Alfayath H				
<b>Justification:</b> In this project students tried to introduce sustainable dryer for geopolymer bricks with the design exposure.					
81.	Jaichandran p	Eliminate tongue stopper webbing offset in seat belt using gemba analysis	Mr.kannan.G.K	Application	PO1,PO3,PO4,PO5,P07,PO9,PO10,PO12,PSO2
82.	Jayaprakash d				
83.	Guru prakash r m				
84.	Nandhakumar.k				
<b>Justification:</b> The project gives a broader exposure towards different analysis software in better fabrication of automobile industry.					
85.	Gangai Pandian J	Effect of additive manufacturing on surface roughness and hardness of Inconel 718 alloy	Dr.V.Dhinakaran	Research	PO1,,PO4,PO5,PO6,P011,PSO2
86.	Guru prakash A				
87.	Saravavan S				
<b>Justification:</b> The project deals with the design and manufacture field where wide materials used.					
88.	Ajay Kumaran T.S	Effect of Dry and Wet Lubrication On Wire EDM and Hobbing during cutting of Spur Gears of Duplex Stainless Steel (2205)	Mr.Sivaraj.S	Application	PO1,PO3,PO4,PO5,P07,PO9,PO10,PO12,PSO2
89.	Irulankudi				
90.	Thirumalai Raja M				
91.	Aswin S				
<b>Justification:</b> Through this project extensive knowledge of manufacturing of gears is acquired.					
92.	Gavirneni sai divya	Wear behaviour of Al <sub>2</sub> O <sub>3</sub> /Al6061 composites produced by powder metallurgy method	Dr.Gurusamy P	Research	PO1,PO3,PO4,PO5,P07,PO9,PO10,PSO2
93.	Revathi S				
<b>Justification:</b> This Project ensures better knowledge of materials and metallurgy.					
94.	Ramesh S	Experimental investigation of friction stir welded aa1100 aluminium alloy	Mr.Vinayagamoorthi	Research	PO1,PO2,PO4,PO6,P08,PO11,PSO2
95.	Rogan Prasanth A				
96.	Sujith Kumar B				
<b>Justification:</b> The friction stir welding process is useful to understand the microstructure and its variances for incorporate different materials.					
97.	Ajith Davidraj	Experimental investigation and analysis for air leaking of timing chain cover in thermostat region	Dr.V.Dhinakaran	Application	PO1,PO3,PO4,PO5,P07,PO10
98.	Gokula Krishnan S				
<b>Justification:</b> The project gives a broader exposure towards different analysis software in better fabrication of automobile components and systems..					
99.	Arun Kumar B	Oil dispensing application using Industrial robot	Mr.Deepak suresh kumar	Industry	PO1,PO2,PO3,PO4,P05,PO6,PO7,PO8,PO10, PO12,PSO2
100.	Thathrooban N				
101.	Vijaya Surya V				
<b>Justification:</b> This project provides the analysis of gripper used robotic applications can be served in manufacturing.					
102.	Harris rushwin	Enhancement of water production using solar still	Mr.Balamurali	Application	PO1,PO3,PO4,PO5,P09,PO10
103.	Arun kumar R				
<b>Justification:</b> Solar energy production and utilization can be understood by the experimental approach on phase change materials.					
104.	Simran pareek	Tensile properties of Titanium sheet at elevated temperature	Dr.V.Dhinakaran	Research	PO1,PO3,PO5,PO6,P07,PO11,PO12,PSO2
105.	Vishali M				
106.	Madhuri T				
107.	Devadharshini A				
<b>Justification:</b> This project describes about the strength and mechanical behaviour of titanium sheet.					
108.	Vijayaragavan K	Numerical Simulation of Cutting Forces in End Milling Process for	Mr.Sivaraj.S	Industry	PO1,PO2,PO3,PO4,P05,PO7,PO10,PSO2
109.	Naveen kumar M				
110.	Dhilip khumar G A				

111	Madhu mano.V	Grade 5 Titanium alloy			
<b>Justification:</b> The project details the lean manufacturing and productivity improvements.					
112	Muralidharan D	Mechanical behaviour of kevlar/basalt/Nylon fibre matrix composites manufactured through Hand-lay process	Dr.Mohanavel	Research	PO1,PO3,PO4,PO5,P07,PO11.
113	Mukesh kumar G				
<b>Justification:</b> The project makes the students to expertise in metal matrix composite with natural fibres.					
114	Ranjithkumar B	Mechanical Behaviour of Aluminium Matrix Composites by Powder Metallurgy Method	Mr.P.Subash	Research	PO1,PO2,PO3,PO5,P06,PO9,PO10,PSO2
115	Vignesh raja B				
116	saran M				
<b>Justification:</b> The project interprets the metal matrix composites and its effects which strengthens the material study.					
117	Karthick M	An Experimental Investigation of Thermal Conductivity of Nano Fluids Containing Al <sub>2</sub> O <sub>3</sub> for Heat Extraction	Mr.Kannan.G.K	Research	PO1,PO3,PO4,PO5,P07,PO10,,PO12,PSO2
118	Praveen A				
119	Divakar N				
120	Dhanvanth Kumar A				
<b>Justification:</b> This numerical investigations obtained from the project is helpful in thermal properties and processes of nano fluid for heat transfer.					
121	Jagadeesan A	Productivity improvement using press malfunction detector (PMC-3)	Mr.P.Thirumal	Application	PO1,PO2,PO3,PO4,P05,PO9
122	Santhosh Kumar G				
123	Ashwin Kumar				
<b>Justification:</b> The project details the lean manufacturing and productivity improvements.					
124	Karthikeyan M	Assessment of Cutting Process Parameters in Cryogenic Machining of Duplex Stainless Steel	Mr.Vinayagamoorthi	Industry	PO1,PO3,PO5,PO6,P07,PO9,PO10,PO11,P012, PSO2
125	Nirmal kumar balaji				
126	Venkatesh raj A				
127	Nirmal kumar D				
<b>Justification:</b> In the field of research and development the cyrogenic treated material study					
128	Saravanan S	Experimental Investigation Of AA2014 Alloy With Reinforcement of Flyash and Sic Hybrid Composites By Stir Casting Process	Dr.Gurusamy P	Research	PO1,PO2,PO3,PO4,P05,PO7,PSO2
129	Nantha gopal D				
130	Tamil Selvan S				
<b>Justification:</b> The friction stir welding process is useful to understand the microstructure of mmc and its variances to incorporate different materials.					
131	Ramprasaad R S	Experimental Analysis of TIG welded Super Duplex Stainless Steel	Dr.V.Dhinakaran	Research	PO1,PO2,PO3,PO4,P05,PO6,PO7,PO9,PO12.
132	Vaira muthu				
133	Ramanan R				
<b>Justification:</b> This project explains the TIG welding over Stainless steel with experimental analysis.					
134	Shanmuga K	CFD Analysis of Heat Transfer and Flow characteristics of silencer of an internal combustion Engines	Mr.Sivaraj.S	Industry	PO1,PO2,PO4,PO5,P06,PO10,PSO2
135	Vaitheeshwaran				
136	Vijay M				
137	Arunkumaar R				
<b>Justification:</b> The students get exposure to CFD Analysis of Heat transfer and flow characteristics of silencer of an ICE.					
138	Midhun M	Numerical Analysis on Gas Turbine Blade of a Nickel-Based Alloy with Titanium Alloy	Mr.Lokesh Kumar	Research	PO1,PO2,PO4,PO5,P06,PO9,PO10,PO12.
139	Akash B				
140	Bala saravanan K				
141	Lingeshwaran S				
<b>Justification:</b> Project relates the thermal systems and its components when applied with alloys.					
142	Gowthamrajan M	Performance improvement of radiator drain petcock	Mr.Praveen Raman	Application	PO1,PO3,PO4,PO5,P06,PSO1.
143	Vignesh G				
<b>Justification:</b> Project relates the thermal systems and its components when applied with alloys.					
144	Kavi karthik D S	Experimental analysis of TIG welding of Inconel 718 plate manufactrued by Addiitve Manufactruing	Dr.V.Dhinakaran	Research	PO1,PO3,PO4,PO5,P09,PO10,PSO1,PSO2
145	Sriram manikanth M				
146	Varsha B				
147	Nijanathan P				
<b>Justification:</b> This project explains the TIG welding over Inconel plate with experimental analysis.					
148	Breever asington	Mechanical properties and dry sliding wear behaviour of Al2219 alloy reinforced with TiB <sub>2</sub> composites by Stir Casting Route	Dr.Gurusamy P	Research	PO1,PO2,PO3,PO4,P05,PO7,PSO1
149	Selvam K				
150	Arunkumar P				
<b>Justification:</b> The friction stir welding process is useful to understand the microstructure of mmc and its variances to incorporate different materials.					
151	Iraianbu P	Experimental investigation on the mechanical properties of dissimilar material joint during pulsed	Dr.V.Dhinakaran	Research	PO1,PO2,PO3,PO4,P05,PO9,PO10,PO11,P012,PSO1,PSO2
152	Surya S				
153	Ganesan R				

154	Venkata krishnan S	current TIG welding			
<b>Justification:</b> This project explains the TIG welding for dissimilar properties with experimental analysis.					
155	Ashok pradeep B	Material characterization of aluminium (6 series) laminate hybrid composite	Mr.Sivaraj.S	Research	PO1,PO2,PO3,PO4,P O5,,PO9,PSO1
156	Deepak S				
157	Dhana sekar				
<b>Justification:</b> The project provides different applications of aluminium laminated hybrid composite.					
158	Samuel jacob M	Investigation on Mechanical properties of polymer matrix composites fabricated through hand lay-up technique	Dr.Mohanaavel	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PO12, PSO1,PSO2
159	Nishok raj M				
160	Micheal benjamine.T				
<b>Justification:</b> Students acquires knowledge on mechanical behavior of uncommon materials composition used in industries.					
161	Rahul Kumar A	Experimental and Numerical investigation Lattice structure manufactured by FDM Process	Dr.V.Dhinakaran	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PO12, PSO1,PSO2
162	Swetha G				
163	Vigneshwari K				
164	Lavanya M				
<b>Justification:</b> The Project measure the effect of lattice structure on mechanical properties of material manufactured in FDM process.					
165	Sakthi balaji M	Mechanical and tribological properties of Al-Mg-SiC metal matrix composite for pistons of two stroke engine	Mr.Kannan.G.K	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PO12, PSO1,PSO2
166	Ganesh prabhu S				
167	Muthu ajay B				
168	Shivaraj				
<b>Justification:</b> The idea and implications imparts the knowledge of mechanical and tribological properties.					
169	Bhuvaneshwar P	Friction and Wear Properties of Bio based Abrasive in a High Friction Composite Material	Mr.Vinayagamoorthi	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9,PO10,PO11,PO12,P SO1,PSO2
170	Abdul sadiq S				
171	Aanantha raj				
172	Palani samy R				
<b>Justification:</b> This will make the students to a detailed analysis of bio based abrasives in high friction composites.					
173	Adithya V	Perdition of Mechanical properties of laminated bamboo composites using Finite Element Method	Mr.Sivaraj.S	Industry	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PO12, PSO1,PSO2
174	Kalai raj G				
175	Karthikeyan P				
176	Krupa shankar S				
<b>Justification:</b> This project shows how the natural fibres can be utilised as composites with FDM.					
177	Kaveripriya S K	Experimental investigation on compression test of lattice structure	Mr.Kannan.G.K	Research	PO1,PO2,PO3,PO4,P O5,PO6,PO7,PO8,PO 9, PO10,PO11,PO12, PSO1,PSO2
178	Sangeetha Priya U				
179	Gopala Veeramani N				
180	Dinesh C				
<b>Justification:</b> This project describes about the strength and mechanical behaviour of lattice structure.					

## Student Project Details 2018-2019

Sl.No	NAME OF THE STUDENT	PROJECT TITLE	SUPERVISOR NAME	Type * (Application/Research/ Industry)	Relevance With PO'S & PSO's
1.	Sundaramanickam S	Design and Analysis of Composite Bumper	Dr.B.R.Ramesh Babu	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2, PSO1, PSO2
2.	Shaik Rehman Intiaz Ahmed				
<b>Justification:</b> : The students can able to design a new safety part for automobile application with new material					
3.	Karthikeyan S	Injection Pressure Optimization Study For Off-Road Diesel Engine (Tractor) Application	Dr.Vijayavel	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
4.	Lokesh R				
<b>Justification:</b> Students can able to classify and compare the injection pressure values to get exact value to improve the diesel engine working performance for automobiles.					
5.	Gudditi Shyam Prasad	Experimental Investigation of Machined Hole & Optimization of Maching Parameters Using Electrochemical Machining	Mr.Prince Packiaraj	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2, PSO1, PSO2
6.	Bharath.A				
<b>Justification:</b> This project work to get optimized values to get exact value to improve the ECM process in manufacturing technology.					
7.	Karthick S	Process Optimization For M&M Central Plunger Production Line	Mr.Prince Packiaraj	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
8.	Momin Dada Khalandar				
<b>Justification:</b> This project work is to improve the production efficiency production process of industries.					
9.	Lokesh G	Design Of Hydraulic Jack For Embrace The Chasis With Roller ( Underbody Inspection)	Dr.Rajarasalnath	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2, PSO1, PSO2
10.	Yudish Sharma				
<b>Justification:</b> The students can able to analyze and design a suitable weight lifting mechanism for automobile application..					
11.	Dhamodharan K	Quality Analysis of Aluminium Castings	Dr.Dhanasekaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
12.	Surya Kumar.D				
<b>Justification:</b> This project attributing the values of defects to analyze the Severity, Occurrence, Detection to get suitable solution to reduce defects in casting industries..					
13.	Vignesh.R.D	Fatigue Analysis Of Ti64 Weld	Dr.V.Dhinakar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
14.	Vikram M				
<b>Justification:</b> This project integrating the fatigue values of defects to analyze the Severity, Occurrence, Detection to get suitable solution to reduce defects in casting industries.					
15.	Charles Manova Sam T	Experimental Analysis Of Is Cr3 513 Sheet Metal Incremental Forming	Dr.B.R.Ramesh Babu	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
16.	Dhinesh N				
<b>Justification:</b> This Project helps the students to study the mechanical behaviour of sheet metal at incremental forming process					
17.	Saravanan R	Bioprinting Using Waste Coconut Shell	Dr.V.Dhinakar	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
18.	Suresh Raj K				
<b>Justification:</b> The students can acquire knowledge about the trend setting printing industry and modern manufacturing techniques.					
19.	Elangkannan K	Comparative combustion parameter study with change in turbocharger in diesel engine	Dr.K.Vimalanathan	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
20.	Dinesh K				
<b>Justification:</b> This study describes the diesel used in CI Engines for better performance with new technology.					
21.	Karthik K	Design And Analysis of Hydro Tech Scrap Packing	Dr.Vijayavel	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
22.	Raja R				
<b>Justification:</b> The students can able to design a new packing mechanism for industrial application with new technology.					
23.	Ajay Kumar V	Fabrication of Dual Fuel Vehicle With Self Power Generation	Dr.K.Vimalanathan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
24.	Guru Presanna S				
<b>Justification:</b> The students can able to bring the new technology for power generation.					
25.	Parthiban K	Design & Analysis of Modified Tool For Hub X In Cold Forging	Dr.Karhikeyan	Industry	PO1, PO2, PO3, PO4
26.	Prethiviraj R				
<b>Justification:</b> The students can able to analyze the problem and design a suitable solution to improve the production efficiency production process of industries.					

27.	Aravind S	Comparison Study of Combustion Parameters In Naturally Aspirated And Turbo Charged Diesel Engine For Genset Application	Dr.Karhikeyan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
28.	Harish Kumar V				
<b>Justification:</b> Students can able to classify and compare the turbo charger performance values to improve the diesel engine working performance for automobile applications.					
29.	Magesh M	Layout Optimization & Ergonomic Analysis of Emerald Rim Manufacturing Plant	Dr.Dhanasekaran	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
30.	Prabhakar R				
<b>Justification:</b> This project analyze to optimization of rim manufacturing layout to improve overall ergonomics.					
31.	Nelsonpaulraj	Design simulation and fabrication of easy centre set instrument	Mr.G.K.Kannan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
32.	Sriram D				
<b>Justification:</b> This project demonstrates design and manufacturing technologies involved to make mechanical instrument.					
33.	Mothikari Om Saikrishna	Experimental Investigation Of Performance & Emission Characteristics On Ci Engine Using Linseed Oil (Bio-Diesel) & Its Blends	Mr.Prince Packiaraj	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
34.	Bhuvanesh S				
<b>Justification:</b> This study describes the bio diesel blends used in CI Engines for better performance.					
35.	Gokul S	12m slf air suspension rear axle supporting bar bracket modification & simplification of fuel line system through value engineering	Dr.Karhikeyan	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
36.	Gowshik Kumar P				
<b>Justification:</b> This project work illustrates the improvement of production efficiency by applying Value engineering tool. This project helps to develop intellectual skill towards the needs of industries to meet the increased demands.					
37.	Adhiyaman K	Performance analysis on petrol engine using trifuel mixture	Mr.S.Sivaraj	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
38.	Aravind Kumar V				
<b>Justification:</b> The students can learn Performance Analysis on Petrol Engine Using Trifuel Mixture to improve the performance and efficiency of the engine.					
39.	Nanda Kumar N	Design & analysis of modified air intaker pipeline through value engineering	Dr.Dhanasekaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
40.	Praveen P				
<b>Justification:</b> This project work illustrates the improvement of performance and efficiency of the engine by applying Value engineering tool.					
41.	Mahesh N	Static Lead Time Reduction Of Front Stub Axle In Tracking Vehicle	Mr.G.K.Kannan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
42.	Muthu V				
<b>Justification:</b> Students can aquire the knowledge of Static Lead Time Reduction of Front Stub Axle in Tracking Vehicle. This project helps to develop intellectual skill towards the needs of industries to meet the increased demands.					
43.	Ubasagan K	Experimental Study Of Smoke and Nox Optimization In Diesel Engine For Gensent Applications	Dr.B.R.Ramesh Babu	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
44.	Yuva Priyan.C				
<b>Justification:</b> The students can learn Performance Analysis on Diesel Engine to reduce emission from commercial power generators and it will be good for environment.					
45.	Rathnakumar L	Design &Fabrication of Double Slide Edge Dyeing Painting Machine For Leather Belts	Mr.P.Karthick	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
46.	Swaminathan S				
<b>Justification:</b> : In this project students design and developed the suitable practical solution to solve the problems which is in leather belt manufacturing industries.					
47.	Prabhakaran S	Design & Analysis Of Non Pneumatic Tyre Using Composite Material	Mr.Kishore	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
48.	Prasanna R				
<b>Justification:</b> This project demonstrates the design and development of non pneumatic tyre using composite material helps to tyre industries and society.					
49.	Ivan Felix Samuel	Feasible Study To Convert Steam Atomizing Oil Burner Into Mechanical Centrifuge Burner	Dr.Dhanasekaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
50.	Jastin Raj L				
<b>Justification:</b> The project gives a broader exposure towards different analysis software in better fabrication of automobile industry.					
51.	Aloysius J G	Desktop Injection Moulding Machine	Dr.K.Vimalanathan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
52.	Gokul V				



<b>Justification:</b> This project demonstrates the design and development of injection moulding machine which helps to plastic parts manufacturing industries..					
53.	Kishore R	Design and fabrication of automated deburring machine	Mr.S.Sivaraj	Industry	PO1, PO2, PO3, PO4
54.	Manimaran.S				
<b>Justification:</b> In this project students design and developed the suitable practical solution to solve the problems which is in automotive manufacturing industries.					
55.	Pavithra K	Improvement of vortex tube in heating and cooling capacity	Dr.Radha	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
56.	Prathiba Lakshmi M				
<b>Justification:</b> This project work illustrates the improvement of heating and cooling efficiency. This project helps to develop intellectual skill towards the needs of industries to meet the increased demands.					
57.	Hari Vignesh K	Design And Analysis Of Boiler	Mr.S.Nagendhiran	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
58.	Mohammed Faizan T R				
<b>Justification:</b> This project work analyze the improvement possibilities of heating and cooling efficiency. This project helps to develop intellectual skill towards the needs of industries to meet the increased demands.					
59.	Dineshkumar S	Characterization of TIG Welding Titanium	Dr.V.Dhinakar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
60.	Shrinidhy Sriram				
<b>Justification:</b> This project describes about the strength and mechanical behaviour of titanium by tig welding process.					
61.	Hannah sheba felix	Modeling and Comparative Analysis of Wave Spring With Coil Spring	Dr.Radha	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
62.	Lavanya S				
<b>Justification:</b> This project helps to better understanding of the strength and mechanical behaviour of wave spring with coil spring mechanism in engineering..					
63.	Manojkumar.M	Fabrication of LPG Refergerator	Mr.P.Subash	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
64.	Ajeethkumar S				
<b>Justification:</b> This project developing the innovative LPG refergerator to useful for society.					
65.	Sankar Raj R	Mechanical Behaviour Of Robotic Mig Weld Ss347 Pipes	Dr.V.Dhinakar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
66.	Satheesh A P				
<b>Justification:</b> This project gives the students a good exposure of recent technologies in trend such as robotics used in many new fields.					
67.	Abeejit A Menon	Efficiency improvement of vortex tube	Dr.K.Vimalanathan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
68.	Naresh.M				
<b>Justification:</b> This project work illustrates the improvement of heating and cooling efficiency. This project helps to develop intellectual skill towards the needs of industries to meet the increased demands..					
69.	Karanam nageswar	Experimental analysis of incremental forming in is 513 cr3 sheet metal wall angle 60 degree using hss tool	MR.P.Karthick	RESEARCH	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
70.	Lochan Sai Kumar Reddy				
<b>Justification:</b> The friction stir welding process is useful to understand the microstructure and its variances for incorporate different materials.					
71.	Arun A	Design & Analysis of End of Arm Tool	Mr.G.K.Kannan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
72.	Deepakkumaran G				
<b>Justification:</b> This project demonstrates Design & Analysis of End of Arm Tool					
73.	Ramakaliappan K	Analysis Of Biodiesel Made From Jatropha Curcas Oil	Dr.Karhikeyan	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
74.	Sathiya V				
<b>Justification:</b> The students can learn Analysis of Biodiesel made from Jatropha Curcas Oil to reduce the emission.					
75.	Anoop K	Performance Improvisation By Using Intercooler For A Diesel Engine Fitted With Turbocharger	Mr.A.Suresh	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
76.	Javed Mohammed G				
<b>Justification:</b> This project work describes the diesel used in CI Engines for better performance with new technology.					
77.	Harihara Sudhan.E	Modelling And Flow Analysis of A Catalytic Converter For Four Cylinder Engine	Mr.G.K.Kannan	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
78.	Karthik K				
<b>Justification:</b> The students can learn Analysis of reducing carbon from multi cylinder engine to reduce the emission.					
79.	Tejayay V K	Experimental Design Modification Of Crank Shaft Assembly	Mr.A.Suresh	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
80.	Yoganathan S				
<b>Justification :</b> Students can acquire the knowledge of Analysis of problems on crank shaft assembly line.This project helps to develop intellectual skill towards the needs of industries to meet the increased demands.					
81.	Sathish G	Implementing kanban system to reduce shortage and increasing efficiency	Dr.Dhanasekaran	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
82.	Siva Surya A				
<b>Justification:</b> Students were expertise in the gear manufacturing achieving reduction in defects help to gain knowledge in manufacturing field.					
83.	Balaji R	Arresting cam ring wear	Dr.Ravindar	Application	PO1, PO4, PO5,

84.	Hamel kumar D	out failure in rotary mechanical diesel fuel injection pump by process modification			PO9,PO10, PO11, PSO1, PSO2
<b>Justification:</b> This project demonstrates Arresting CAM Ring Wear Out Failure in Rotary Mechanical Diesel Fuel Injection Pump by Process Modification.					
85.	Liocious Klitten M F	Design & Analysis Of Machining In Turning Operation Co-friendly MQL Techniques	Mr.Vinayagamoorthy	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
86.	Nithyanandhan M				
<b>Justification:</b> This project demonstrates Design & Analysis of process optimization for turning operation with MQL techniques					
87.	Ranjith S	Force Measurement Platform	Dr.Rajarasalnath	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
88.	Subash R				
<b>Justification:</b> This project demonstrates the force measurement for various of applications.					
89.	Manikandan M	Experimental investigation of timing analysis & reduction of lacquer	Mr.P.Subash	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
90.	Purusothaman S				
<b>Justification:</b> This project demonstrates Experimental Investigation of timing analysis and lacquer reduction parameters					
91.	Merwin Abraham J	Analysis And Defect Rectification Of Injector Leak Off Connector	Dr.Karhikeyan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
92.	Nishok.P.J				
<b>Justification:</b> This project demonstrates practical investigation of defect analysis with respect to parameter of leakages in injector connector.					
93.	Rajesh M	Design & analysis of passenger car front bumper	Mr.A.Suresh	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
94.	Sriharish N				
<b>Justification:</b> This project demonstrates design and analysis of product safety improvement purpose which is applied in automobile safety applications					
95.	Sanjay Srinivas S	Design And Analysis of Crank Hooke With Different Material	Dr.B.R.Ramesh Babu	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
<b>Justification:</b> This project demonstrates design and analysis of product strength and behaviour improvement purpose which is applied in load handling applications.					
96.	Kishore Kumar B	Optimization Of Vehicle Turn Around Timing And Stores Operations	Dr.Ravindar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
97.	Pradeep S				
<b>Justification:</b> Students can acquire the knowledge of wheel turning timings and energy storage operations to improve the performance efficiency.					
98.	Praveen Kumar N	Productivity Improvement In Automatic Modular Door(AMD) Line	Mr.Kishore	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
<b>Justification:</b> Students can acquire the knowledge of improvement of productivity in automatic manufacturing sectors.					
99.	Arjun P	Validation And Analysis of Rim Bracket For Tractor Wheels	Mr.G.K.Kannan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
100.	Ashok kumar M				
<b>Justification:</b> This project provides the analysis of heavy duty automobile applications can be served in agricultural field.					
101.	Santhosh Kumar E	Single Pont Incremental Forming Of Is 513 Cr3 Sheet Metal	Mr.A.Suresh	Research	PO1, PO4, PO5, PO9, PO10, PO11
102.	Yogeswaran K				
<b>Justification:</b> This Project helps the students to study the mechanical behaviour of sheet metal at incremental forming process					
103.	Ramanathan K	Scrap Reduction In Coning Machine	Mr.P.Karthick	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
104.	Sasikumar S				
<b>Justification:</b> This Project helps the students to study wastage reduction of sheet metal coning process in manufacturing field					
105.	Suresh kumar S B	Analysis of is 513 cr3 sheet metal invremental forming	Mr.A.Suresh	Research	PO1, PO4, PO5, PO9, PO10, PO11
106.	Tej vijay V K				
<b>Justification:</b> This Project helps the students to study the mechanical behaviour of sheet metal at incremental forming process.					
107.	Manikandan V	Testing & implementation of memory foam material for the application of footwear comfort	Mr.P.Subash	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
108.	Manipoosanam G				
<b>Justification:</b> This Project helps the students to study the mechanical behaviour of foam type rubber materials in footwear applications.					
109.	Gnana Prakash.D	Design & Air Flow Analysis Of Modified Intake Manifold Of Wrangler Jeep	Mr.Nagendharan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
110.	Sathish M				
<b>Justification:</b> This project demonstrates design and process analysis to improve air flow in a specific auto part.					
111.	Pudipatla raghavendra bhargav	Optimization & analysis of excavator bucket	Dr.B.R.Ramesh Babu	Research	PO1, PO4, PO5, PO9, PO10, PO11
112.	Suman kumar.K				
<b>Justification:</b> Students can acquire the knowledge of parameter narrow down and analysis of operations to improve the performance efficiency.					
113.	Sivakumar M	Analysis of modified	Mr.Dinesh	Research	PO1, PO4, PO5, PO9,

114	Suba hariharan A	aluminium alloy			PO10, PO11
<b>Justification:</b> This Project helps the students can acquire the knowledge of various properties, mechanical behaviour of aluminium materials for various manufacturing applications.					
115	Dharani Kumar S	Special Purpose Tool For Impact Wrench	Dr.K.Vimalanathan	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
116	Siva Shanmuga Priyan U				
<b>Justification:</b> Students can acquire the knowledge to develop a special tool for manufacturing process to improve the performance efficiency.					
117	Mouleeshwaran D	Design And Modification of MKD Gear Hobbing Machine Wahli (90+31)	Mr.Vinayagamoorthy	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
118	Siva Rama Krishnan T				
<b>Justification:</b> This Project helps the students can acquire the knowledge of various process analysis to improve gear manufacturing applications					
119	Ashok Kumar S	Design of Fabrication of Hybrid Vehicle	Mr.S. Nagendhran	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
120	Deepak J				
<b>Justification:</b> This Project helps the students can aquire the knowledge of alternate fuel based vehicle for automotive applications to control emission					
121	Sugumar V	Analysis of air timing method in rotary fuel injection pump	Mr.R.Deepak Suresh Kumar	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
122	Vinoth Rajan N				
<b>Justification :</b> This project demonstrates the analysis and improvement of performance of special auto part.					
123	Jebie K	optimization of a runner design for a die with multiple cavities using CFD as a simulation tool	Dr.Radha	Research	PO1, PO4, PO5, PO9, PO10, PO11
124	Sirisaa L				
<b>Justification :</b> Students can acquire the knowledge of design improvement for a runner which applied in casting process in manufacturing technology					
125	Karthick S	Inspection and segregation of ladder frame	Mr.R.Deepak Suresh Kumar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
126	Rajith S				
<b>Justification :</b> This project demonstrates the analysis and improvement of quality of a safety and load handling part.					
127	Ajay M	Spring Back Analysis Of Sheet Metal In V Bending Operation	Mr.R.Deepak Suresh Kumar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
128	Ajith.A				
<b>Justification :</b> Students can acquire the knowledge to analysis of sheet metal performance to improve operation efficiency.					
129	Ajayyoga D	Study on Vibration Levels of Diesel Engine With And Without Turbo Charger	Mr.Thirumal	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
130	Hari Vignesh K				
<b>Justification :</b> Students can acquire the knowledge of practical study on vibration levels of diesel engine with and without turbo charger automobile applications.					
131	saravana Kumar G	Preparation of ethanol observer with help of 3D printing	Dr.V.Dhinakar	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
132	Surendran R				
<b>Justification :</b> Students can acquire the knowledge preparation of ethanol observer with help of 3D printing in advanced manufacturing technology					
133	Kaushik Ram G S	Experimental analysis on lubricating behaviour with copper oxide nano particle	Mr.M.D.Vijayakumar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
134	Winston Raj G				
<b>Justification :</b> Students can acquire the knowledge of practical analysis on lubricating behaviour with copper oxide nano particle					
135	Rohit Nagpal M	Design And Analysis Of Adjuster Tape Missing With Automatic Detection	Dr.Vijayavel	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
136	Sheik Mohammed M				
<b>Justification :</b> Students can acquire the knowledge of design and analysis of adjuster tape missing with automatic detection process in manufacturing technology					
137	Elambirai.R	Experimental study on engine performance and emission characteristics with and without hot egr in diesel engine with gatevalve assembely at different position	Mr.Vinayagamoorthy	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
138	Rajesh Kannan R				
<b>Justification :</b> Students can acquire the knowledge of practical study on engine performance and emission characteristics with and without hot egr in diesel engine with gate valve assembly at different position					
139	Dhanasundaram.D	Performance analysis of 4 stroke single diesel engine with oxygenated fuel additives	Mr.R.Deepak Suresh Kumar	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
140	Ranjith R				
<b>Justification :</b> Students can acquire the knowledge of performance analysis of 4 stroke single diesel engine with oxygenated fuel additives in auto emission control technology					
141	Ananthakrishnan P	Automated Filament	Mr.Dinesh	Application	PO1, PO4, PO5, PO9,

142	surya Amirtha Guru R	Replacement System			PO10, PO11, PSO1, PSO2
<b>Justification</b> : Students can acquire the knowledge of design improvement of automated filament replacement system in advanced manufacturing technology (3D Printing)					
143	Ebenezer Prince T	Performance study of air pre-heater in thermal power station - 1 expansion	Mr.R.Deepak Suresh Kumar	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
144	Parthiban S				
<b>Justification</b> : Students can acquire the knowledge of performance study of air preheater in thermal power station - 1 expansion for power generating applications					
145	Jaya Surya G K	Design And Analysis Of Fiber Composite Drive Shaft	Mr.Praveen Raman	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
146	Prabakaran S				
<b>Justification</b> : Students can acquire the knowledge of design and analysis of fiber composite drive shaft for automotive applications					
147	Rajesh R	Effect of additives on biodiesel	Mr.Thirumal	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
148	Rakeshkumar V				
<b>Justification</b> : Students can acquire the knowledge of analysis of effect of additives on biodiesel to reduce emission.					
149	Santhosh S	Design & Analysis Of Roller Stand With Drive System	Mr. KRISHNA KUMAR	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
150	Siva Shankar M				
<b>Justification</b> : Students can acquire the knowledge of design & analysis of roller stand with drive system					
151	Ranjith.B	Design & Fabrication Of Cross Hole Drill Fixture For Mass Production	Mr.Praveen Raman	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
152	Surendar S				
<b>Justification</b> : Students can acquire the knowledge of design and fabrication of cross hole drill fixture for mass production					
153	Abdul Rahman T	Analysis of fatigue load carrying capacity of gudgeon pin changing fit size and coating using FEM	Mr.Thirumal	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
154	Akshay Kumar D				
<b>Justification</b> : Students can acquire the knowledge of analysis of fatigue load carrying capacity of gudgeon pin changing fit size and coating using fem for automotive applications					
155	Anantha Padmanaban C G	design and analysis of ATV rollcage	Mr.Dinesh	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
156	Ashok K				
<b>Justification</b> : Students can acquire the knowledge of design and analysis of atv rollcage in automotive body safety applications					
157	Deenadayalan R	Reduction Of Productivity Time For Hub MKD	Mr.M.D.Vijayakumar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
158	Deepak Harish R				
<b>Justification</b> : Students can acquire the knowledge of reduction of productivity time for hub mkd in manufacturing technology					
159	Gopinath P	Warehouse And In Bound Logistics Management(E-Bag Method)	Mr.Krishnamoorthi	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
160	Harrish T				
<b>Justification</b> : Students can acquire the knowledge of ware house and in bound logistics management process in material handling					
161	Infant Jefflin J Ben	standard time analysis of ehpu & mv classification of painting for hdt-day hdt-sleeper and mdt-day cabins	Mr.Yuwaraj	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
162	Kamalesh G				
<b>Justification</b> : Students can acquire the knowledge of standard time analysis of eHPU & MV classification of painting for hdt-day hdt-sleeper and mdt-day cabins in manufacturing technology to improve production output.					
163	Lokesh Kumar R	Implementation Of Value Engineering Study In Tilt Gravity Die Casting Machine	Mr.Krishnamoorthi	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
164	Mohamed Salman S				
<b>Justification</b> : Students can acquire the knowledge of implementation of value engineering study in tilt gravity die casting machine in manufacturing applications					
165	Mukilan K	Implementation of fifo inventory storage processes using 5s practice	Mr.Yuwaraj	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
166	Murugan K (VOC)				
<b>Justification</b> : Students can acquire the knowledge of implementation of FIFO inventory storage processes using 5S practice for material handling and supply					
167	Nagi reddy gari hemanth reddy	Design for underframe jigs and trestle using lifting & turning device	Mr.Praveen Raman	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
168	Naresh R				
<b>Justification</b> : Students can acquire the knowledge of design for under frame jigs and trestle using lifting & turning which is applied in manufacturing technology					
169	Noosan Sreedhar Reddy	Design And Parametric Optimization Of Two Wheeler Connecting Rod Using Different Aluminium Alloys	Dr.Vijayavel	Research	PO1, PO2, PO3, PO4, PO5, PO9, PO11, PSO1
170	Palani Andavan K				
<b>Justification</b> : Students can acquire the knowledge of design and parametric optimization of two wheeler connecting rod using different aluminium alloys to improve life of the part.					

171	Praveen Kumar.R	Analysis of welding defects on bogie frame assembly	Mr.Yuwaraj	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
172	Rajesh Kumar N C				
<b>Justification :</b> Students can acquire the knowledge of analysis of welding defects on bogie frame assembly for automobile safety applications.					
173	Sabari A S	Reverse Engineering Stacker & Reclaimer To Decrease Corrosion & Erosion	Mr.M.D.Vijayakumar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
174	Sagar Suresh Lokare				
<b>Justification :</b> This project demonstrates reverse engineering stacker and reclaimed to decrease corrosion and erosion					
175	Sai Charan N	Comparitive Analysis Of Glass Fibre And Fibre Metal Laminates For Car Bumper	Mr.M.D.Vijayakumar	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
176	Saran Singh R				
<b>Justification :</b> This project demonstrates comparative analysis of glass fibre and fibre laminates for car bumper for automobile safety purpose					
177	Saravanan R	Design And Analysis Of Composite Leaf Spring	Mr.Krishna Kumar	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
178	Sathish Kumar T				
<b>Justification :</b> This project demonstrates the design and analysis of composite leaf spring for automobile safety purpose					
179	Sathyamoorthy S	Man power reduction in reservoir assembly	Mr.Krishna Kumar	Industry	PO1, PO2, PO3, PO4, PO, PO10, PO11, PSO1, PSO2
180	Siva R				
<b>Justification :</b> This project demonstrates the ergonomics analysis and man power reduction in reservoir assembly					
181	Subash Chander M	Design of key pressing machine for mass production	Mr.S.Sivaraj	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
182	Surendra Kumar P				
<b>Justification :</b> This project demonstrates design of key pressing machine for mass production in manufacturing field					
183	Suriya M	Integrating raw material purchase & planning in line with stores management through lean management approach	Mr.M.D.Vijayakumar	Industry	PO1, PO2, PO3, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
184	Vedhanayagam R				
<b>Justification :</b> This project demonstrates integrating raw material purchase & planning online with stores management through lean management approach from TQM					
185	Vignesh M	Optimization of inventory management and vehicle turnaround time	Mr.Krishnamoorthi	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
186	Vinoth R				
<b>Justification :</b> This project demonstrates the optimization of inventory management and vehicle turnaround time					
187	K.Ajith	Design And Analysis Of Cam Vice Activator	Mr.Kishore	Application	PO1, PO4, PO5, PO9, PO10, PO11, PSO1, PSO2
<b>Justification :</b> This project demonstrates design and analysis of cam vice activator by Process Modification					