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LEARN BEYOND
KPR INSTITUTE
of
ENGINEERING AND TECHNOLOGY
(Autonomous)
Avinashi Road, Arasur, Coimbatore - 641 407

EDITORIAL

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SPARK

DEPARTMENT OF
MECHANICAL ENGINEERING

VISION

To produce globally competent mechanical engineers to meet the changing needs of industries through innovative academic processes, research and value based education.

MISSION

The Department of Mechanical Engineering is committed to,

- ❖ Provide fundamental and skill based education in mechanical engineering through innovative practices in teaching and learning
- ❖ Collaborate with reputed industries, professional bodies and research laboratories for establishing Centre of Excellence
- ❖ Imbibe ethical behavior and morality for social upliftment to uphold human values.

PROGRAM EDUCATION OBJECTIVES (PEO)

- ❖ **PEO1:** The graduates of mechanical engineering will have a successful professional career in their related field of engineering to meet the changing needs of various stakeholders.
- ❖ **PEO2:** The graduates of mechanical engineering will involve in technology advancements through continuing education.
- ❖ **PEO3:** The graduates of mechanical engineering will practice their profession with good leadership skills and ethical values.

PROGRAM SPECIFIC OUTCOMES (PSO)

A graduate of Mechanical Engineering should:

- ❖ **PSO 1:** Apply mechanical engineering principles to design, develop and implement advanced machine/mechanical systems or process for better performance and less human effort.
- ❖ **PSO 2:** Ensure quality by applying quality tools, maintenance principles and managerial skills to comprehend the mechanical engineering processes, products and services.

FACULTY PUBLICATIONS

INTERNATIONAL JOURNALS:

1. Selvam, A., Mayilswamy, S., Whenish, R. et al. Multi-objective optimization and prediction of surface roughness and printing time in FFF printed ABS polymer. Scientific Reports 12, 16887 (2022). <https://doi.org/10.1038/s41598-022-20782-8>
2. V. Bhuvaneswari, L. Rajeshkumar, T.P.Sathish kumar, G. Rajeshkumar, M.R. Sanjay, Suchart Siengchin, Effect of Fiber Orientation on Physical and Mechanical Properties of Typha angustifolia Natural Fiber Reinforced Composites, Applied Science and Engineering Progress, 16 (3), 2023, 6497, <http://dx.doi.org/10.14416/j.asep.2022.11.004>
3. S. Yaknesh, Mohammed Tharwan, Rajasekaran Saminathan, N. Rajamurugu, K. B. Prakash, undefined Ankit, Manoj Kumar Pasupathi, Atul Sarojwal, Dawit Tafesse Gebreyohannes, "Mechanical and Microstructural Investigation on AZ91B Mg Alloys with Tool Tilt Variation by Friction Stir Welding", Advances in Materials Science and Engineering, vol. 2022, Article ID 8311413, 14 pages, 2022. <https://doi.org/10.1155/2022/8311413>
<https://www.hindawi.com/journals/amse/2022/8311413/>
4. Kanimozhi T, Sundara Pandian S, Gokulkumar S, Sathish S. Influence of Acacia concinna and Vachellia nilotica seed nanopowder on the properties of short Turkish hemp–reinforced epoxy composites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications. 2022;0(0). [doi:10.1177/14644207221145463](https://doi.org/10.1177/14644207221145463)

STUDENT ACHIEVEMENTS

1. **Mr. G. Vignesh** from II Year MECH **won IIIrd price** in Tennis-Anna university zone level at RVS College of Arts and Science, Coimbatore which is held on **04.11.2022**.
2. **Mr.S,Nithishkumar and Mr.B.Sanjay** from II Year MECH won **Second Runner Up** in **Autodesk Fusion 360 Design Challenge** conducted on by Anna University, Chennai under the aegis of NAAN MUDHALVAN Scheme which is held on **07.12.2022**.

NPTEL ACHIEVEMENTS:

Below mentioned table shows the list of mechanical department student achievements in NPTEL course.

SL.NO	Course Name	Student Name	Achievement
1.	Automation in Manufacturing	Ahamed Muyeezudeen M	Elite
2.	Automation in Manufacturing	Anbu Selvan R K	Successfully Completed
3.	Automation in Manufacturing	Anto Monish W	Elite
4.	Automation in Manufacturing	Arunajayan P	Successfully Completed
5.	Automation in Manufacturing	Ashok Kumar P	Successfully Completed
6.	Automation in Manufacturing	Ashok Narayanan N	Successfully Completed
7.	Automation in Manufacturing	Ashwin G	Successfully Completed
8.	Automation in Manufacturing	Aswinkumar M	Elite
9.	Automation in Manufacturing	Balaji N	Successfully Completed
10.	Automation in Manufacturing	Danush Pranav A S	Successfully Completed
11.	Automation in Manufacturing	Darshan G	Successfully Completed
12.	Automation in Manufacturing	Derick Androw Prince F	Successfully Completed
13.	Automation in Manufacturing	Jairam P	Successfully Completed
14.	Automation in Manufacturing	Karthikeyan M P	Successfully Completed
15.	Welding Science & Technology	S V Kavin	Successfully Completed
16.	Welding Science & Technology	Amal Babu E S	Successfully Completed
17.	Welding Science & Technology	Jayaramabharathi S	Successfully Completed
18.	Introduction to Japanese Language and Culture	Bharath V M	Successfully Completed
19.	Automation in Manufacturing	Madhiarasu M	Successfully Completed
20.	Automation in Manufacturing	Manikandan P	Successfully Completed
21.	Automation in Manufacturing	Manoj Ram K S	Successfully Completed
22.	Automation in Manufacturing	Melvin Infant M	Successfully Completed
23.	Automation in Manufacturing	Mithun N S	Elite+Silver
24.	Automation in Manufacturing	Muthukumaran M	Elite

25.	Automation in Manufacturing	Namburigha K	Elite
26.	Automation in Manufacturing	Naveenkumar A	Successfully Completed
27.	Automation in Manufacturing	Nirmal Prasath P	Successfully Completed
28.	Automation in Manufacturing	Paul Abisheike P	Successfully Completed
29.	Automation in Manufacturing	Pon Karthik Raja M	Successfully Completed
30.	Automation in Manufacturing	Poorvajnithishh A	Successfully Completed
31.	Automation in Manufacturing	Raghulnath S S	Successfully Completed
32.	Automation in Manufacturing	Ragul Kumar M	Elite
33.	Automation in Manufacturing	Ramaneedharan K S	Elite
34.	Automation in Manufacturing	Ravi Prasath S	Elite
35.	Automation in Manufacturing	Ravishankar P M	Successfully Completed
36.	Automation in Manufacturing	Rishikanth M	Successfully Completed
37.	Automation in Manufacturing	Rithish Hari G	Successfully Completed
38.	Automation in Manufacturing	Sanjay B	Elite+Silver
39.	Automation in Manufacturing	Sanjeev Vyaas S	Successfully Completed
40.	Automation in Manufacturing	Sanjiv R	Successfully Completed
41.	Automation in Manufacturing	Saravanagowri S. P	Successfully Completed
42.	Automation in Manufacturing	Sashankh V R	Successfully Completed
43.	Automation in Manufacturing	Senthamilselvan G S	Successfully Completed
44.	Automation in Manufacturing	Shabari N	Successfully Completed
45.	Automation in Manufacturing	Shamsudeen Babu G	Successfully Completed
46.	Automation in Manufacturing	Shobika K M	Successfully Completed
47.	Automation in Manufacturing	Shrihari M	Successfully Completed
48.	Automation in Manufacturing	Sibi Nandhan S	Successfully Completed
49.	Automation in Manufacturing	Siva Visagan R K	Successfully Completed
50.	Automation in Manufacturing	Solaiyappan K	Elite
51.	Automation in Manufacturing	Srijan R	Successfully Completed

52.	Automation in Manufacturing	Sudeep R	Successfully Completed
53.	Automation in Manufacturing	Thejeshwar M	Elite
54.	Automation in Manufacturing	Thiru Vikraman K	Elite
55.	Automation in Manufacturing	Vembarasan E	Successfully Completed
56.	Automation in Manufacturing	Venu Aravind S	Successfully Completed
57.	Automation in Manufacturing	Vignesh G	Successfully Completed
58.	Automation in Manufacturing	Vijaya Sree M	Successfully Completed
59.	Automation in Manufacturing	Viswanathan M	Elite
60.	Automation in Manufacturing	Viswanathan R	Successfully Completed
61.	Automation in Manufacturing	Yuvarajan M	Elite
62.	Problem Solving Through Programming in C	Rithish Hari G	Successfully Completed

STUDENT INTERNSHIP

Below mentioned table shows the list of mechanical department students completed their internship in various industries.

Sl.No	Name of the Student	Name of the Company	Location	Domain	Duration
1.	Aadhikrishna M	Barani Hydraulics India Private Limited	Coimbatore	Production	2 Weeks
2.	Anbu Selvan R K	Barani Hydraulics India Private Limited	Coimbatore	Production	2 Weeks
3.	Arun O	Barani Hydraulics India Private Limited	Coimbatore	Production	2 Weeks
4.	Balaji N	TVS Motor Company	Hosur	Assembly	2 Weeks
5.	Aditya C M	TVS Motor Company	Hosur	Assembly	3 Days
6.	Rishikanth M	TVS Motor Company	Hosur	Assembly	3 Days
7.	Srijan R	ELGI Equipments Limited	Coimbatore	Assembly	3 Days

8.	Ahamed Muyeezudeen M	ELGI Equipments Limited	Coimbatore	Design	1 Month
9.	Anto Monish W	ELGI Equipments Limited	Coimbatore	Design	1 Month
10.	Darshan G	ELGI Equipments Limited	Coimbatore	Design	1 Month
11.	Dhanush M	ELGI Equipments Limited	Coimbatore	Design	1 Month
12.	Naveenkumar A	ELGI Equipments Limited	Coimbatore	Design	1 Month
13.	Ravi Prasath S	ELGI Equipments Limited	Coimbatore	Design	1 Month
14.	Solaiyappan K	ELGI Equipments Limited	Coimbatore	Design	1 Month
15.	Thejeshwar M	ELGI Equipments Limited	Coimbatore	Design	1 Month
16.	Anburaja P	Bharat Electronic Limited (BEL)	Bangalore	PSU	1 Month
17.	Jaisoorya S U	Bharat Electronic Limited (BEL)	Bangalore	PSU	1 Month
18.	Arunajayan P	Festo India Pv Ltd	Bangalore	Automation	2 Weeks
19.	Bharath Shiva S	Festo India Pv Ltd	Bangalore	Automation	2 Weeks
20.	Sibi Nandhan S	Festo India Pv Ltd	Bangalore	Automation	2 Weeks
21.	Venu Aravindan G	Festo India Pv Ltd	Bangalore	Automation	2 Weeks
22.	Arunathithyan N	Fabrex DigiTec Pvt Ltd	Coimbatore	Design	2 Weeks
23.	Arunkumar M	NLC India Limited	Neyveli	PSU	2 Weeks
24.	Naina Mohamed M A	NLC India Limited	Neyveli	PSU	2 Weeks
25.	Sunil Kumar J	NLC India Limited	Neyveli	PSU	2 Weeks
26.	Ashok Kumar P	Sakthi Gear Products	Coimbatore	Production	1 Month
27.	Gokul R	Sakthi Gear Products	Coimbatore	Production	1 Month
28.	Hemachandran R	Sakthi Gear Products	Coimbatore	Production	1 Month
29.	Jayaramabharathi S	Sakthi Gear Products	Coimbatore	Production	1 Month
30.	Kabeesh C	Sakthi Gear Products	Coimbatore	Production	1 Month
31.	Kalimuthu M S	Sakthi Gear Products	Coimbatore	Production	1 Month
32.	Ashok Narayanan N	Revathi Equipment Limited	Coimbatore	Production	2 Weeks

33.	Aravinth Kumar B	Flow Link Systems Pvt Ltd	Coimbatore	Production	1 Month
34.	Aswanth M	Flow Link Systems Pvt Ltd	Coimbatore	Production	1 Month
35.	Dhanasu S	Flow Link Systems Pvt Ltd	Coimbatore	Production	1 Month
36.	Manikandan P	Flow Link Systems Pvt Ltd	Coimbatore	Production	1 Month
37.	Venu Aravind S	Flow Link Systems Pvt Ltd	Coimbatore	Production	1 Month
38.	Aswinkumar M	Axis Global Automation	Coimbatore	Automation	2 Weeks
39.	Jeeva K	Axis Global Automation	Coimbatore	Automation	2 Weeks
40.	Logesh P M	Axis Global Automation	Coimbatore	Automation	2 Weeks
41.	Manjunath J P	Axis Global Automation	Coimbatore	Automation	2 Weeks
42.	Shrihari M	Axis Global Automation	Coimbatore	Automation	2 Weeks
43.	Bala B V	ADNA Automation	Coimbatore	Automation	2 Weeks
44.	Danush Pranav A S	ADNA Automation	Coimbatore	Automation	2 Weeks
45.	Melvin Infant M	ADNA Automation	Coimbatore	Automation	2 Weeks
46.	Balamurali K	Suguna Group of Industries	Coimbatore	Production	2 Weeks
47.	Koushal P M	Suguna Group of Industries	Coimbatore	Production	2 Weeks
48.	Laxshman U	Suguna Group of Industries	Coimbatore	Production	2 Weeks
49.	Manojram K S	Suguna Group of Industries	Coimbatore	Production	2 Weeks
50.	Sanjay N	Suguna Group of Industries	Coimbatore	Production	2 Weeks
51.	Viswanathan R	Suguna Group of Industries	Coimbatore	Production	2 Weeks
52.	Gokul S	Bimetal Beaings Ltd	Coimbatore	Production	2 Weeks
53.	S V Kavin	Bimetal Beaings Ltd	Coimbatore	Production	2 Weeks
54.	Gunathithyan A	Super Springs Pvt Ltd	Coimbatore	Production	1 Week
55.	Jairam P	Southern Railway	Madurai	PSU	2 Weeks
56.	Jeevanantham S	Hitech Circuit	Coimbatore	Electronics	2 Weeks
57.	Kavin Prabhu S	Greenamp Technos Pvt Ltd	Coimbatore	E Vehicle	2 Weeks
58.	Pon Karthik Raja M	Greenamp Technos	Coimbatore	E Vehicle	2 Weeks

		Pvt Ltd			
59.	Raghulnath S S	Greenamp Technos Pvt Ltd	Coimbatore	E Vehicle	2 Weeks
60.	Arun K	Neel Metal Products Ltd	Hosur	Automobile	2 Weeks
61.	Guruprasad S	Neel Metal Products Ltd	Hosur	Automobile	2 Weeks
62.	Jeeva M	Neel Metal Products Ltd	Hosur	Automobile	2 Weeks
63.	Thianeshwaran K	Neel Metal Products Ltd	Hosur	Automobile	2 Weeks
64.	Bharanidharan K	Steel Authority of India Ltd	Salem	PSU	1 Week
65.	Kishore R	Steel Authority of India Ltd	Salem	PSU	1 Week
66.	Vishnu M	Steel Authority of India Ltd	Salem	PSU	1 Week
67.	Madhiarasu M	Steel Authority of India Ltd	Salem	PSU	1 Week
68.	Ravishankar P M	Steel Authority of India Ltd	Salem	PSU	1 Week
69.	Rohith S	Steel Authority of India Ltd	Salem	PSU	1 Week
70.	Sanjeev Vyaas S	Steel Authority of India Ltd	Salem	PSU	1 Week
71.	Revanth P	Steel Authority of India Ltd	Salem	PSU	1 Week
72.	Muthukumaran M	Roots Industries India Limited	Coimbatore	Production	2 Weeks
73.	Saravanagowri S P	Roots Industries India Limited	Coimbatore	Production	2 Weeks
74.	Shobika K M	Roots Industries India Limited	Coimbatore	Production	2 Weeks
75.	Vijaya Sree M	Roots Industries India Limited	Coimbatore	Production	2 Weeks
76.	Manmathan A	Roots Industries India Limited	Coimbatore	Production	2 Weeks
77.	Namburigha K	Roots Industries India Limited	Coimbatore	Production	2 Weeks
78.	Vijaya Sree M	PSG Foundry	Coimbatore	Foundry	1 Week
79.	Manmathan A	PSG Foundry	Coimbatore	Foundry	1 Week
80.	Namburigha K	PSG Foundry	Coimbatore	Foundry	1 Week
81.	Mithun N S	Rabwin Industries Pvt Ltd	Coimbatore	Production	1 Month
82.	Ramaneedharan K S	Rabwin Industries Pvt Ltd	Coimbatore	Production	1 Month

83.	Shamsudeen Babu G	Rabwin Industries Pvt Ltd	Coimbatore	Production	1 Month
84.	Nirmal Prasath P	Effica Automation Ltd	Coimbatore	Automation	2 Weeks
85.	Sashankh V R	Effica Automation Ltd	Coimbatore	Automation	2 Weeks
86.	Nithishkumar S	HM Pecision Products	Coimbatore	Design	2 Weeks
87.	Sanjay B	HM Pecision Products	Coimbatore	Design	2 Weeks
88.	Paul Abisheike P	C.R.I. Pumps (PVT) Ltd	Coimbatore	Production	2 Weeks
89.	Ragul Kumar M	C.R.I. Pumps (PVT) Ltd	Coimbatore	Production	2 Weeks
90.	Poorvaj Nithissh A	Pranav Precision Industries	Coimbatore	Production	2 Weeks
91.	Shabari N	Pranav Precision Industries	Coimbatore	Production	2 Weeks
92.	Sudarsan T	Pranav Precision Industries	Coimbatore	Production	2 Weeks
93.	Suman R	Pranav Precision Industries	Coimbatore	Production	2 Weeks
94.	Raga Shakthi Kannan G	Adithya Engineers	Coimbatore	Production	2 Weeks
95.	Rithish Hari G	Sparkout Tech Solutions (Pvt.) Ltd.	Coimbatore	IT	2 Weeks
96.	Thiru Vikraman K	Sparkout Tech Solutions (Pvt.) Ltd.	Coimbatore	IT	2 Weeks
97.	Viswanathan M	Sparkout Tech Solutions (Pvt.) Ltd.	Coimbatore	IT	2 Weeks
98.	Sanjay E	Turbo Engineers	Coimbatore	Production	2 Weeks
99.	Vignesh M	Turbo Engineers	Coimbatore	Production	2 Weeks
100.	Senthamilselvan G S	UNO Minda Ltd	Hosur	Automobile	2 Weeks
101.	Sudeep R	Craftsman Automation	Coimbatore	Automation	1 Week
102.	Vembarasan E	Southern Petrochemical Industries Corporation (SPIC)	Tuticorin	PSU	1 Week
103.	Siva Visagan R K	Bimetal Beaings Ltd	Hosur	Production	2 Weeks
104.	Yuvarajan M	Bimetal Beaings Ltd	Hosur	Production	2 Weeks
105.	Manojram K S	Aquasub Engineering (Unit 5)	Coimbatore	Production	2 Weeks
106.	Sanjay N	Aquasub Engineering (Unit 5)	Coimbatore	Production	2 Weeks

107.	Viswanathan R	Aquasub Engineering (Unit 5)	Coimbatore	Production	2 Weeks
108.	Arulkumar R	Bindhu Engineering Industries	Coimbatore	Production	2 Weeks
109.	Dhanush S	Bindhu Engineering Industries	Coimbatore	Production	2 Weeks
110.	Jeya Balan P	Bindhu Engineering Industries	Coimbatore	Production	2 Weeks
111.	Amal Babu E S	Bindhu Engineering Industries	Coimbatore	Production	2 Weeks
112.	Dhayahari E Mohan	Bindhu Engineering Industries	Coimbatore	Production	2 Weeks

STUDENT PLACEMENT

Placement achievement of the final year students of Department of Mechanical Engineering in various reputed company is shown below.

S.NO	NAME OF THE STUDENT	COMPANY NAME	SALARY
1.	Mr. ARUN .V	LPT	2.4 LPA
2.	Mr. VARUN V	LPT	2.4 LPA
3.	Mr. SIVA PRAKASH G	EVORIEA	2.4 LPA
4.	Mr. KEERTHAN G S	EVORIEA	2.4 LPA
5.	Mr. PRAVEEN Y	EVORIEA	2.4 LPA
6.	Mr. MUKUNDAN RA	HCL	4.25 LPA
7.	Mr. RAJESH G	HCL	4.25 LPA
8.	Mr. SHREERAHUL P J	HCL	4.25 LPA
9.	Mr. VIGNESHWARAN S	HCL	4.25 LPA
10.	Mr. GOVINDARAJ V	HCL	4.25 LPA
11.	Mr. KARTHIGEYAN S	HCL	4.25 LPA
12.	Mr. RITHICK S	HCL	4.25 LPA
13.	Mr. MUTHURAMAN T	HCL	4.25 LPA
14.	Mr. SAM WILSON D	HCL	4.25 LPA
15.	Mr. AKILESH D	HCL	4.25 LPA
16.	Mr. MOULIDHARAN M	HCL	4.25 LPA
17.	Mr. ARUN KUMAR .S	HCL	4.25 LPA
18.	Mr. HARIPRASAD V S	HCL	4.25 LPA
19.	Mr. KISHOORE U	HCL	4.25 LPA
20.	Mr. KESAVAN D	HCL	4.25 LPA
21.	Mr. RANJITH MURUGAN K	HCL	4.25 LPA

22.	Ms. HARINI .S.V	HCL	4.25 LPA
23.	Mr. SETHU P	HCL	4.25 LPA
24.	Mr. BHARATHWAJ P	HCL	4.25 LPA
25.	Mr. IMAYA GANESH S	HCL	4.25 LPA
26.	Mr. MOHAMED TAUFEEQ	HCL	4.25 LPA
27.	Mr. VIGNESH M	HCL	4.25 LPA
28.	Mr. PRADEEP D	HCL	4.25 LPA
29.	Mr. INFANT TONY BRAIN .G	HCL	4.25 LPA
30.	Mr. KAVIPRIYA DHARSAN V	HCL	4.25 LPA
31.	Mr. POTTI TULASI KUMAR REDDY	HCL	4.25 LPA