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LEARN BEYOND
KPR INSTITUTE
of
ENGINEERING AND TECHNOLOGY
(Autonomous)
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CONTENTS

1. Department Events
2. Faculty Publications
3. Students Achievements



**DEPARTMENT OF
MECHANICAL ENGINEERING**

SPARK

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.

DEPARTMENT NEWS
PROGRAMS ORGANIZED

1. The Department of Mechanical Engineering and Mechanical Engineering Association jointly organized an inaugural function on 11.08.2022 at Thanam Hall, KPRIET. Dr. Ramachandran, GM, Chief Operating officer, Propel Industries Pvt Lmt, Coimbatore was the Guest speaker.



2. Department of Mechanical Engineering conducted an Up-Skilling program with hands on training on different fields from 22nd Aug – 27th Aug 2022 with the guest from various reputed industries as shown below. Also at the end of the day students visited various industries to gain knowledge in the current process of industry.

Sl.no	Name of the event	Guest details
1	Design with Geometric Dimensioning and Tolerancing (Gd&T)	Mr.Abdul Samad, Galexon Engineering Industries, Cbe
2	Internet of Things	Mr.Balamurugan, PUMO Technovation, Cbe
3	Robotics	Mr.Vinoth, Galexon Robotics, CBE
4	CNC Programming	Mr. P. Marimuthu, Lab Tech/ME, KPRIET
5	Industrial Automation	Mr.Loganathan, Axis Global Automation,Cbe
6	AI & Machine Learning	Mr.S.Deepan, Novitech R&D PVT LTD, Cbe

FACULTY PUBLICATIONS

INTERNATIONAL JOURNALS:

1. Raj Mohan R, Venkatraman R, Raghuraman S, Manoj Kumar P, Rajneesh Sharma, Ankit, Atul Sarojwal, Rajkumar S, "Influence of Planetary Ball Mill Parameters on Powder Flowability of AlSi10Mg with Niobium Carbide Using Central Composite Design (CCD)", Advances in Materials Science and Engineering, vol. 2022, Article ID 2869225, 11 pages, 2022. <https://doi.org/10.1155/2022/2869225>
2. P. Manoj Kumar, Rajasekaran Saminathan, Mohammed Tharwan, Haitham Hadidi, P. Michael Joseph Stalin, G. Kumaresan, S. Ram, Moti Lal Rinawa, P. T. Saravanakumar, K. Karthikeyan, Dawit Tafesse Gebreyohannes, "Study on Sintered Wick Heat Pipe (SWHP) with CuO Nanofluids under Different Orientation", Journal of Nanomaterials, vol. 2022, Article ID 7158228, 12 pages, 2022. <https://doi.org/10.1155/2022/7158228>

STUDENT ACHIEVEMENTSSTUDENT PARTICIPATION

1. **Mr. A.Willingston Goldwin , Mr. G.Vijay and Mr. M.Yogesh** of III year Mechanical students participated on symposium on Additive manufacturing in Defence & Aerospace sectors which was organized by AeSI-BB, AISC and NAFEMS- INDIA on 17-18 August 2022.
2. **Mr. R.A. Vibin, Mr. M. Aravindh, Mr. R. Samvel, Mr. V.K. Manoj, Ms. C. Madhumithra , Ms P. Kaviya , Mr. S. Yaswanth and Mr. E. Poovarasu, M.S** of III year Mechanical students presented papers in the titles “Ballistic Studies on Synthetic Fibre Reinforced Composites and Its Applications - A Review “ and “Fracture Toughness of Bio-fiber Reinforced Polymer Composites –A Review” which was organized by “Centre for Advanced Composite Materials (CACM) Universiti Teknologi, Malaysia” on 22/08/2022.
3. **Mr. Sibi Nandhan.S and Mr. Ravi Prasath .S** of III year Mechanical students presented a paper titled “Biomimetic Design Approaches for Impact Applications: A Review” on 23/08/2022 in IMPLAST 2022, The 13th International Symposium on Plasticity and Impact Mechanics, Department of Aerospace Engineering, IIT Madras.

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	IMMANUEL STEPHEN RANGASAMY	NAME CHEAP & INFOSYS	3.5 LPA
2	JAYASATHYA M	NAME CHEAP	3.5 LPA
3	ANISH ANTONY .A	SHANTHI GEARS & INFOSYS	2.46 LPA
4	ALWYN JOSHUA J	LENNOX	4.5 LPA
5	INFANT TONY BRAIN .G	SHANTHI GEARS	2.46 LPA
6	AKILESH D	SHANTHI GEARS	2.46 LPA
7	DHINESH KUMAR M	SHANTHI GEARS	2.46 LPA
8	KARTHIPAN S	SHANTHI GEARS	2.46 LPA
9	MOULIDHARAN M	SHANTHI GEARS	2.46 LPA
10	ARUN KUMAR .S	BSH CORE	4.5 LPA
11	HARIPRASAD .S	INFOSYS	4 LPA
12	KAVIPRIYA DHARSAN V	INFOSYS	4 LPA
13	HARIPRASAD V S	INFOSYS	4 LPA
14	SURIYAKUMAR V	INFOSYS	4 LPA
15	MUHAMMED SHAMIL P	INFOSYS	4 LPA