

**VOL NO.10  
ISSUE NO.11  
NOVEMBER 2021**



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

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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. Mohan Kumar, R. Rajasekar, P. Manoj Kumar, R. Parameshwaran, Alagar Karthick, and M. Muhibbullah, "Comparative Analysis of Drilling Behaviour of Synthetic and Natural Fiber-Based Composites", *Advances in Materials Science and Engineering* (Hindawi, Impact Factor: 1.726), Volume 2021, Article ID 9019334, 2021. Online ISSN: 1687-8442. <https://doi.org/10.1155/2021/9019334>
2. Mohan Kumar, R. Rajasekar, P. Manoj Kumar, R. Parameshwaran, Alagar Karthick, V. Mohanavel, T. Sakthi, M. Muhibbullah, "Investigation of Drilling Process Parameters of Palmyra Based Composite", *Advances in Materials Science and Engineering* (Hindawi, Impact Factor: 1.726), Volume 2021, Article ID 4222344, 2021. <https://doi.org/10.1155/2021/4222344>
3. Moti Lal Rinawa, S.D. Anitha Selvasofia, P. Manoj Kumar\*, Ram Subbiah, Rajasekaran Saminathan, Manoj Kumar Singh, P.T. Saravanakumar, G. Infant Tony Brain, Vimal Kumar Eswarlal, "Analyzing an evacuated tube solar water heating system using twin-nano/paraffin as phase change material", *Materials Today Proceedings* (Elsevier Publications, Cite Score 1.8), ISSN: 2214-7853. <https://doi.org/10.1016/j.matpr.2021.10.500> (Scopus Indexed)
4. Anbuezhian Nattappan, G. Suganya Priyadharshini, T. Satish Kumar, T. Velmurugan, M. Makesh Kumar, and Haiter Lenin Allasi, Investigation into Mechanical Properties and Sliding Wear Behavior of Friction Stir Processed Surface Composite Material, *Advances in Materials Science and Engineering* (Hindawi, Impact Factor: 1.726), <https://doi.org/10.1155/2021/8337568>.
5. Naveen R, Kumar M, Mathan A, Dhushyanath D, "Investigation on the effect of stacking sequence on mechanical properties of a basalt and carbon fiber hybrid composite", *Journal of Engineering Research*, November 2021. Accepted for Publication. (SCIE - Impact Factor – 0.62).
6. Pradeep Devaenthiran, Kumar Murugesan, Sangaravadivel Palaniappan, "Experimental investigation and analysis on effect of fiber orientation on mechanical properties of synthetic and natural fiber reinforced hybrid composite", *Journal of Engineering Research*, November 2021. Accepted for Publication. (SCIE - Impact Factor – 0.62).

**STUDENT PLACEMENT**

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

<b>S.NO</b>	<b>NAME OF THE STUDENT</b>	<b>COMPANY NAME</b>	<b>SALARY</b>
1	ASHWIN S	WIPRO	4.2 LPA
2	DINESHKUMAR S	WIPRO	4.2 LPA
3	YESHWANTH V	WIPRO	4.2 LPA
4	NIRUPAMVAS	WIPRO	4.2 LPA
5	NAVEEN CS	WIPRO	4.2 LPA
6	SUBHASH P M	WIPRO	4.2 LPA
7	VARUNA S	WIPRO	4.2 LPA
8	DHARMARAJAN M S	WIPRO	4.2 LPA
9	ARAVINTH P	WIPRO	4.2 LPA
10	GAJENDRAN G	WIPRO	4.2 LPA
11	DINESHKUMAR S	WIPRO	4.2 LPA
12	GOWTHAMAN S	WIPRO	4.2 LPA
13	KARTHIKEYAN G	WIPRO	4.2 LPA
14	MANIVARMA M	WIPRO	4.2 LPA
15	SHANMUGESHWARAN R	WIPRO	4.2 LPA
16	JAGANMITHRAN GS	WIPRO	4.2 LPA
17	SIVAVEL ANNAMALAI K	WIPRO	4.2 LPA
18	BUJALA VENKATA KRISHNA REDDY	AMPHI SOFT	3 LPA
19	KATHIRESH C	AMPHI SOFT	3 LPA
20	HARISH S	MARKS ENGINEERS	2.16 LPA
21	INDHARAJITH P	MARKS ENGINEERS	2.16 LPA
22	JAMES G	MARKS ENGINEERS	2.16 LPA
23	KARTHICK S	MARKS ENGINEERS	2.16 LPA
24	MANOJKUMAR N	MARKS ENGINEERS	2.16 LPA
25	MOHANKUMAR.R	MARKS ENGINEERS	2.16 LPA
26	NAVIN CHANDAR S	MARKS ENGINEERS	2.16 LPA
27	PRAVEEN T	MARKS ENGINEERS	2.16 LPA
28	SELVAVIGNESH. K	MARKS ENGINEERS	2.16 LPA

29	MOHAN KUMAR K	MARKS ENGINEERS	2.16 LPA
30	SRINIVASAN K	MILACRON	3 LPA