

**VOL NO.10
ISSUE NO.08
AUGUST 2021**



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

1. Department News
2. Faculty Publications
3. Student Achievements



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.

DEPARTMENT NEWSPROGRAMS ORGANIZED

1. Department of Mechanical Engineering organized an Orientation Program for III semester (2020- 2024) batch students through Zoom on 05.08.2021.



2. Department of Mechanical Engineering and SAE India Collegiate Club of KPRIET jointly organized a Virtual Inauguration of the club for the year 2021-2022 on 18.08.2021 through google meet. The Inauguration was followed by a webinar on "BS 6 - Overview and Challenges" by Mr. V. Vikraman - Group CoE Head - Vehicle Mechanical Systems, Mahindra Research Valley, Chennai. He is the man behind the design of power train for the new XUV 700.



3. Department of Mechanical Engineering in association with Office of Alumni Relations Organized “Meet the Master Experiences (MTMx Series)” on “How should I Prepare for Siemens” through Google Meet by Mr. Deepak Alagappan, Project manager – SIEMENS, Chennai on 28.08.2021.



4. Department of Mechanical Engineering organized a Virtual "Inauguration of Mechanical Engineering Association" followed by a webinar on “Igniting Young Engineers Mind” on 28.08.2021 through Zoom meet. Mr. A Karthik, Scientist E , Research center Imarat – DRDO, Hyderabad was the guest speaker.



FACULTY PUBLICATIONS**INTERNATIONAL JOURNALS:**

1. **Vasanthaseelan S**, Joel E, Bharathwaaj R and Ravishankar Sathyamurthy, Multi-intractable Analysis for Alternative Diesel - Ethanol–Canola Methyl ester Ternary Blend, 8th International Conference on Power and Energy Systems Engineering (2021).
2. **Bhuvaneshwari V**, Rajeshkumar L, Saravanakumar R, Balaji D. “Synthesis and Characterization of Bio Ceramic Reinforced Aluminium Matrix Composites”. Archives of Metallurgy and Materials (2021).
3. Selvasofia, S.A., Sarojini, E., Moulica, G., Thomas, S., Tharani, M., Saravanakumar, P.T. and **Kumar, P.M.**, 2021. Study on the mechanical properties of the nanoconcrete using nano-TiO₂ and nanoclay. Materials Today: Proceedings.
4. Saravanakumar, P.T., Arunkumar, SP, Brailson Mansingh, B., ***Kumar, P.M.**, Ram Subbiah, Vimal Kumar Eswaralal, 2021. Investigating the Effect of Thermal Cycling on Thermal Characteristics of the Nano-Silica based Phase Changing Material (PCM). Materials Today: Proceedings.
5. Francis Luther King, M., Putta Nageswara Rao, Sivakumar A, Vamsi Krishna Mamidi, Richard, S., Vijayakumar M., Arunprasath, K., ***Kumar, P.M.**, 2021. Thermal Performance of a Double-Glazed Window Integrated with a Phase Change Material (PCM). Materials Today: Proceedings.

STUDENT ACHIEVEMENTS**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	SRIRAM K	BSH	4.5 LPA
2	ADHAVAN P	LPT	2 LPA
3	GANESH KUMAR .A.S	LPT	2 LPA
4	LOKESH.V	LPT	2 LPA
5	PALPANDI. K	LPT	2 LPA
6	SRI ARRJUN V S	LPT	2 LPA
7	AJAY D	SPORFY	3.4 LPA
8	KARNA V	SPORFY	3.4 LPA
9	ELAMBHARATHI B	TITAN	2 LPA
10	ABILASH D	ROYAL ENFIELD	2 LPA
11	ABISHEK A S	ROYAL ENFIELD	2 LPA
12	AKASH S	ROYAL ENFIELD	2 LPA
13	ASHWIN S	ROYAL ENFIELD	2 LPA
14	BALACHANDER B	ROYAL ENFIELD	2 LPA
15	BALAJI S V	ROYAL ENFIELD	2 LPA
16	BHARATHWAJ S	ROYAL ENFIELD	2 LPA
17	CHANDRU G	ROYAL ENFIELD	2 LPA

18	CHIRANJEEVI K	ROYAL ENFIELD	2 LPA
19	GOKULNATHAN B	ROYAL ENFIELD	2 LPA