

Department of Mechanical Engineering Newsletter

2023

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VISION OF THE DEPARTMENT

To create a competitive man power the field of mechanical engineering for advantage of mankind.

MISSION OF THE DEPARTMENT

To achieve the vision, the department will:

- Create a conducive learning environment to make student as competent engineers.
- To nurture the entrepreneurial ability among students.
- To maintain sustainable development for creative learning to serve the engineering society.
- To inculcate human values and sensitivity.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)

PEO 1: Graduate will have the ability to handle industrial challenges through advanced engineering technologies.

PEO 2: Graduate will have the capability to become socially, intellectually, and ethically responsible Mechanical engineers.

PEO 3: Graduate expertises with essential technical, managerial and soft skills that make them to be professionally competent.

PROGRAMME SPECIFIC OUTCOMES (PSOS)

On completion of the B.E (MECH) degree the Mechanical Engineering graduates will be able to

PSO 1: Ability to apply their knowledge to design and analyze by using software tools.

PSO 2: Engage them professionally in industries or as entrepreneurs in the field of manufacturing and design.

PSO 3: Apply CAD/CAE tools to design and analyze the mechanical components.

KEY UPDATES IN MECHANICAL ENGINEERING

SRM Institute of Science and Technology (SRMIST)

Kattankulathur From their RESONANCE Volume 5, Issue 1 (Jan-Jun 2023) newsletter, here are some relevant updates around that period: A PG (Postgraduate) Course on Disaster Management is being developed, led by Dr. Vignesh K.S in collaboration with Teesside University, UK. The Department inaugurated / offered a National Academic Immersion Program for students from Maharashtra Institute of Technology, World Peace University, Pune. Subjects included Biomechanics and Hydraulics Technology. A Centre for Composites and Advanced Materials was created within the Mechanical Engineering Department to enhance experimental & computational research in composite materials and related advanced manufacturing processes. Faculty development / outreach & workshops:

ACDEMIC ACTIVITIES



On **08.07.2023**, a **Skill Development Program** was conducted for non-teaching staff on the topic **“Operation and Troubleshooting of Lab Equipment”**. The session was led by **Mr. N. Selvakumar, Assistant Professor (Mech), EEC**.

On **24.07.2023**, an **Alumni Guest Lecture** was organized on the topic **“Role of Mechanical Engineers in Industry”**, featuring **Ms. P. Mounika**, Executive Trainee and Development Engineer in the **BMW Project at TVS Motor Company, Hosur**. The session was coordinated by **Mr. P. Nithiyannand, Assistant Professor/Mechanical, EEC**.



On **28.07.2023**, a **Pollution Awareness Program** was conducted on the theme **“Anti-Plastic Campaign”** was inaugurated and addressed by **Dr. K. Bommanna Raja, Principal**. **Dr. N. Venkatachalam, ASP/Mechanical**, coordinated the event.



02.08.2023, a **Higher Studies Awareness Program** was conducted on the topic **“Competitive Exam Coaching Awareness”**. The session was delivered by **Thiru. N. Jaya Prakash**, Sales Executive – Academic Relations, **ACE Engineering Academy, Chennai**

On **08.08.2023**, a Guest Lecture titled **“Transformation of Men and Women in New Era”** session was delivered by **Thiru S. Prabhu**, Assistant Professor/Aeronautical Engineering coordinated by **Mr. T. Karthikeyan, AP/Mechanical**.



Collaborate with Society of Automotive Engineers conducted a Seminar on **“Electric Vehicles”** **Mr .S.Sanmugam** Farmer Chairman SAEISS, Director, Design Teck India Pvt. Ltd, Chennai.

STUDENTS ACHIVEMENTS



Saktheeswaran M (IV Year) participated in a National Level Seminar on 10th October 2023 at Shree Venkateshwara Hi-Tech Engineering College and secured the Third Prize.



Aswin Anil Kumar (IV Year) participated in a Symposium held on 11th and 12th October 2023 at KPR Institute of Engineering and Technology and secured the Third Prize.



Thrisha S (III Year) participated in a National Level Technical Symposium on 29th February 2024 at Hindusthan College of Engineering and Technology and won the Second Prize.

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