

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 analyse 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 analyse the mechanical components.

KEY UPDATES IN MECHANICAL ENGINEERING

1. ICARGET 2023 at Guru Ghasidas Vishwavidalaya, Bilaspur

The Mechanical Engineering Department (in collaboration with the Solar Energy Research Institute at the National University of Malaysia) organized the International Conference on Advances in Renewable & Green Energy Technology (ICARGET) 2023. It was inaugurated on 7 December 2023. Sponsors included SERB India, NTPC, Sipat, and CSIR, New Delhi. Invited experts from Malaysia and India participated.

2. “Yantrikruthi” E-newsletter, New Horizon College of Engineering

The Mechanical Engineering department published its Oct-Dec 2023 newsletter “YANTRIKRUTHI”. Some activities included: An Alumni Association Workshop on 3D Printing.

Experiential learning exercise in Machine Design for 5th semester ME students: they made models of different trusses and carried out experiments to understand stress distribution and load-bearing capacity.

ACDEMIC ACTIVITIES



On 18th October 2023, an **Industrial Guest Lecture** was conducted on the topic **“Industrial Automation and Machine Learning”**. The session featured **Mr. J. Mohammed Aashiq**, Managing Director of **JK Industries, Coimbatore**.

28th October 2023, an **Alumni Guest Lecture** was conducted on the topic **“Industrial Expectations from Building Engineers”**. The session was delivered by **Er. E. Naveen**, OSS Design Engineer at **Cameron Manufacturing India Pvt. Ltd., Coimbatore**.



Collaborate with Society of Automotive Engineers conducted, Industry guest lecture on **“New Eye on Drone Technology”** **Mr.M.Bharath Prabhu** Chief Operations Officer, **Vimanna LAbs India (P) Ltd**, Thanjavur.



10th to 12th August 2023, a Three-Day Awareness Programme on “Post Harvesting Technology” was organized under the TNSCST Agri Function. The sessions were led by Dr. T. Senthilkumar, Principal Scientist, Farm Power & Machinery, at the KAR Central Institute of Agriculture Engineering, Coimbatore.

2nd February 2024, an Academic Guest Lecture was held on the topic “Design of Mechanical Systems for All-Terrain Vehicles”. The lecture was delivered by Dr. A. Vadivel, Associate Professor of Mechanical Engineering at Sri Ramakrishna Engineering College.



8th February 2024, a Workshop on “Accident First Responder” was conducted for external participants. The session was led by Mr. Chandrasekar and Mr. Venkatesan, trainers from EMRI, Green Health Services, Chennai.

STUDENTS ACHIVEMENTS



Dinesh M (II Year) participated in a **National Level Technical Symposium** held on **26th August 2023** at **Kongunadu College of Engineering** and secured the **Third Prize**.



Bhagawath Kumar P (IV Year) participated in a **Sheet Metal** event held on **21st September 2024** at **SAE Loyola, Chennai**, and secured the **First Prize**.



Anish Kumar R (IV Year) participated in a **Paper Presentation** event held on **22nd February 2022** at **Bannari Amman Institute of Technology** and secured the **Second Prize**.

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