

DEPARTMENT OF MECHANICAL ENGINEERING

FREE FALL

NEWSLETTER



December 2024

DEPARTMENT PROFILE

The Department currently offers an undergraduate program (B.Tech) in Mechanical Engineering. The present intake is 60. We provide state of the art facilities both in the classrooms as well as in the laboratories. The department has a team of well qualified, experienced and committed staff members. It provides an atmosphere conducive for acquiring knowledge and emphasizes on practical learning. The department motivates both cultural and physical activities.

VISION

Excellence in Mechanical Engineering education and research through value based knowledge integration

MISSION

- To provide students state-of-the-art academic ambience for quality education
- To educate and mentor students on professional responsibilities, ethical values and life-long learning
- Facilitate inter-disciplinary learning and industry interactions focusing on long term career development goals

PROGRAMME SPECIFIC OUTCOMES (PSOs)

The graduates would be able to

- Analysis of mechanical systems: Identify Formulate and Analyze problems related to the diverse mechanical systems
- Industry readiness: Apply design, manufacturing and management principles to solve real-life problems
- Inter-disciplinary knowledge: Apply the collaborative knowledge gained through inter-disciplinary learning to develop and implement innovative ideas

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Our students would be able to

- Design, solve and analyze real life mechanical engineering problems
- Excel in professional career and transform into successful innovators and entrepreneurs
- Imbibe intellectual curiosity for creative thinking and lifelong learning
- Manifest communication and leadership skills, professional and ethical values and team spirit

MESSAGE FROM THE HEAD OF DEPARTMENT



Pramod Kumar M
Professor & HoD
ME Dept.

I am delighted to present the 16th edition of our departmental newsletter, Free Fall. I extend my heartfelt congratulations to the entire newsletter team for their dedication and hard work in making this issue a reality. This internal publication serves as a valuable platform to share insights and updates about the vibrant activities within our department.

Success is achieved through hard work and sustained by those who strive for continuous growth. The past academic year has been a dynamic one, filled with remarkable contributions from students and faculty across academics, co-curricular and extracurricular activities, as well as research and development. As you go through these pages, you will witness the departments achievements and progress. I extend my sincere gratitude to my colleagues for their unwavering dedication in driving the department forward. With their commitment and perseverance, I am confident that in the years ahead, our department will continue to set benchmarks in academic and co-curricular excellence.

Department Achievements

Society of Automotive Engineers (SAE), MITS Talk on "Idea to Product Realisation"

A talk on "Idea to Product Realisation" was delivered by Mr. A. Armstrong, Principal Member of R& D, TAFE, Chennai on 7th March, 2024 at 10 am. The event was coordinated by Mr. Anand Rajagopal.



AGROBOT: A Conceptual Framework

The department performed a funded project on the design and functionality of an AGROBOT: A Conceptual Framework.

Faculty achievements



- Mr. Lijin Thomas authored two articles in the Journal of Mines, Metals & Fuels: "Physicochemical Modifications on Fibre Reinforced Polymer Composites for Mining Applications" and "Design and Simulation of Mg and Ti Alloybased Wheel Nuts for Formula One Cars". He also attended a professional development program on 'Outcome Based Education and Implementation' at NITTR Chennai in June 2024.



- Dr. Bibin Jose earned an MBA in Business Analytics from SRM University, Chennai. He authored two articles in Materials Today Communication on autogenous double pulse tungsten inert gas welding techniques. He attended the 'Evolve 360' boot camp by Kerala Startup Mission in January 2024 and a 'Faculty Entrepreneurship' program by 11T Palakkad and Kerala Startup Mission in May 2024

Student Achievements

National Level Student Convention (Tier-3)



Aravind Vinu and Davis Shaji of S8ME, bagged Second prize in Sheet Metal competition as part of the National Level Student Convention (Tier 3) held on 15th & 16th March, 2024 at Chennai Institute of Technology, organised by SAE INDIA.

Editorial Board

Student Members

Yash Nambiar (Editor)

Sidharth Unnithan (Editor)

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Faculty Coordinator

Harikrishnan N, Assistant Professor



2020-2024 MECHANICAL BATCH