EXPERT TALK

Mechanical Engineering Department

Introduction

Expert talks are organized in the Mechanical Engineering Department to provide students with exposure to current industrial practices, emerging technologies, and research developments in the field of mechanical engineering. These sessions help bridge the gap between academic learning and real-world industrial applications.

Objectives

The objectives of conducting expert talks are:

- To provide insights into modern mechanical engineering industries such as manufacturing, automotive, aerospace, and energy systems.
- To expose students to recent technological advancements in areas such as robotics, automation, CAD/CAM, additive manufacturing, and renewable energy systems.
- To enhance students' understanding of industrial practices, design principles, safety standards, and sustainable engineering solutions.

- To motivate students towards innovation, research activities, entrepreneurship, and higher studies in mechanical engineering.

Scope

This activity is applicable to:

- Undergraduate students of Mechanical Engineering.
- Faculty members and research scholars of the department.
- Topics related to manufacturing technology, thermal engineering, design engineering, industrial automation, robotics, materials engineering, and energy systems.

Responsibilities

Head of the Department (HoD)

- Approves and monitors the expert talk program conducted by the department.

Faculty Coordinator

- Identifies suitable experts from industries such as manufacturing, automotive, aerospace, energy, and research organizations.
- Organizes the schedule and coordinates the expert talk session.

Resource Person (Expert)

- Delivers lectures on industrial practices, technological developments, or research topics related to mechanical engineering.

Students

- Attend the expert talk sessions actively and participate in discussions and interactions.

Procedure

1. Identify relevant topics related to mechanical engineering and current industrial trends.
2. Invite an expert from industry, academia, or research organizations.
3. Schedule the expert talk and inform students and faculty members.
4. Conduct the session including presentation, demonstrations, and interactive discussions.
5. Encourage students to ask questions and discuss real-time engineering challenges.
6. Collect feedback from participants to improve future sessions.

Outcome

- Students gain knowledge about recent developments and industrial practices in mechanical engineering.
- Improved understanding of real-world engineering applications in areas such as manufacturing, thermal systems, design, and automation.
- Enhanced technical knowledge, problem-solving ability, and professional awareness among students.
- Increased motivation for research, innovation, higher studies, and career opportunities in the mechanical engineering field.
- Strengthened interaction between academia and industry experts.