
Department of Mechanical Engineering
A.Y. 2024-25 SEM-I

Department Vision :

To become a "center of excellence" by inculcating value based education for Mechanical Engineering students.

Department Mission :

- M1: To impart quality education through innovative teaching - learning processes.
 - M2: To encourage igniting minds by sharpening their skills to face global challenges
 - M3: To configure and convert ideas into reality through participative learning.
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**Report on Expert Talk on Engineering Thermodynamics: Properties of pure substance
and Thermodynamics of Vapour cycles**

1. **Event Title** – Report on Expert Talk on Engineering Thermodynamics: Properties of pure substance and Thermodynamics of Vapour cycles
2. **Event Date:** 25/10/2024
3. **Event Conduction Duration:** 11:00 Am to 12:30 PM (1:30 Hours)
4. **Event Venue:** SE Classroom
5. **Event Resource Person /Guest Details:** Mr.A.D.Patil
6. **Event Coordinator:** Prof. T.D.Patil
7. **Expected Audience:** SE Mechanical Engineering Students
8. **Number of Participants:** 37
9. **Event Objectives & Outcomes:**

Objectives:

- a. To understand the behaviour of a Pure substance and formation of steam to use for different applications .
- b. To analyze Vapour power cycles and understand the different curves

Outcomes:

- The participants can determine the properties of steam, formation of steam and different phases of formation of steam.
- The students can understand the formation of steam and their effect on performance of vapour power cycle.

10. Event Summary:

Expert Talk on Engineering Thermodynamics: Properties of pure substance and Thermodynamics of Vapour cycles, conducted on 25 October 2024, was an engaging and informative session aimed at providing S.E. Mechanical Engineering students with an in-depth understanding of formation of steam . The event commenced at 11:00 AM in the SE classroom, with Prof.A.D.Patil, an experienced teacher in the field of Thermal Engineering.

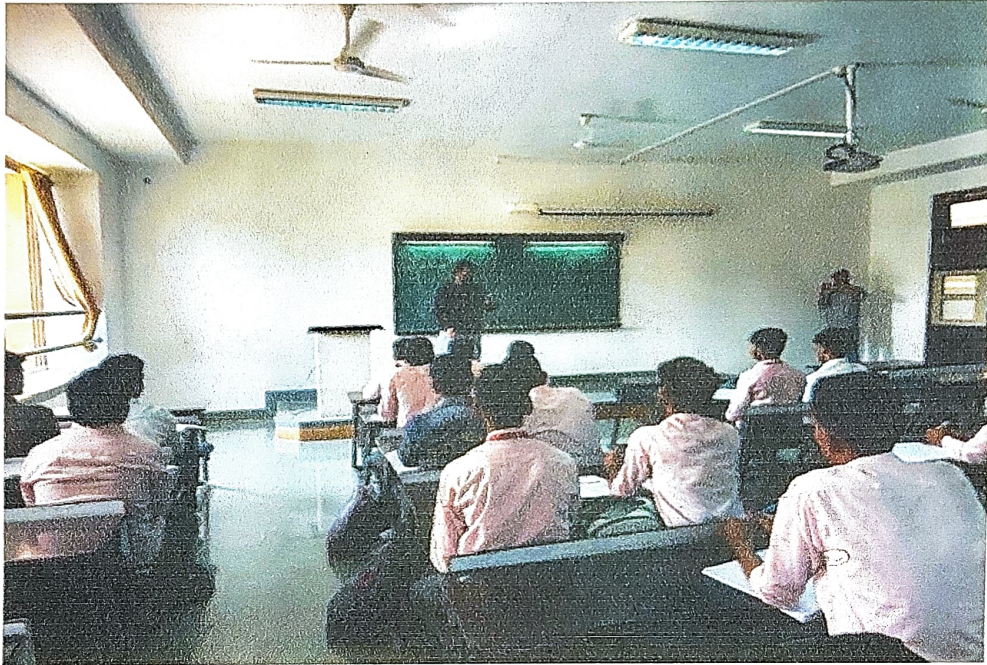
During the session, Prof. Patil explained steam formation the fundamental principles of steam formation.

The coordinators, Prof. T.D.Patil, ensured smooth organization and execution of the event, contributing to its success. The expert talk concluded with a vote of thanks, and the students expressed their appreciation for the opportunity to learn from an expert.

Overall, the session proved to be a valuable learning experience, equipping the participants with practical knowledge and skills that are essential in the mechanical engineering industry.

11. Photos





Students engaging in a session conducted by Prof . A .D. Patil



Event Coordinator



Dr. A .S. Dube
HOD



Dr. D. P. Patil
Principal