

Expert Lecture on “Advanced Chemical Engineering Thermodynamics”

An expert lecture by Prof. S. B. Thakore, Associate Professor, Chemical Engineering Department was organized for students of BE 3rd sem and ME 1st sem on the topic of "Advanced Chemical Engineering Thermodynamics". Around 45 students participated in the expert talk. During the talk, Prof. Thakore discussed various aspects of refrigeration and various refrigeration cycles. The lecture helped students gain vital knowledge through interaction. Prof. Thakore also discussed campus recruitment and gave the students helpful tips for cracking interviews during placement drives and clearing competitive exams. Students raised queries related to career and other fundamental aspects in chemical engineering. The expert lecture was conducted on an online platform and was coordinated by Prof. R. P. Bhatt.

This screenshot shows a Google Meet window with a presentation slide titled "Criteria of selection". The slide contains the following text:

- COP : COP of VAPOUR COMPRESSION REFRIGERATION CYCLE IS ATLEAST FOUR TIMES HIGHER THAN THE SAME OF VAPOUR ABSORPTION CYCLE
- Availability of excess of low pressure steam favors selection of Vapor Absorption Cycle against Vapor Compression Cycle

The meeting interface includes a list of participants: SHUCHEN THAKORE, rathod rohit, Kalf Shaikh, Chintan Bhalerao, 35 others, and You. The system clock shows 11:41 AM on 12/16/2021.

This screenshot shows a Google Meet window with a presentation slide titled "Basic Vapor Compression Refrigeration cycle". The slide features a schematic diagram of the cycle with the following components and labels:

- Condenser (with note: "Condenser may be water-cooled or air-cooled")
- Compressor
- Evaporator (with note: "Evaporator may be water-cooled or air-cooled")
- Expansion Valve
- Refrigerant flow: Vapor, Liquid, Vapor, Liquid
- Heat transfer: Heat rejection, Heat absorption
- Work input: Work input

Below the diagram, the text reads: "TYPICAL SINGLE-STAGE VAPOR COMPRESSION REFRIGERATION". The meeting interface shows participants: SHUCHEN THAKORE, Chintan Bhalerao, Kalf Shaikh, Amisha Rathod, 31 others, and You. The system clock shows 11:39 AM on 12/16/2021.