

**Academic Year 2021-22**  
**Report on Expert lecture by Dr, D D Palande**

1. **Event Title: Webinar on "Current Trends and Job Opportunities in Mechanical Engineering"**
2. **Event Date: 18 DEC 2021**
3. **Event Conduction Duration: 02 hrs.**
4. **Event Venue: Google meet**
5. **Name of Event Coordinator:**
  - Staff event Coordinator: Mrs Sneha Shirke
  - Student event Coordinator: Ayush Sharma
  - Host of the event: Mrs Sneha Shirke & Joel Thomas
  - Poster Design & created by: Ayush Sharma

**6. Event Outline, Objective & Outcome of the event****Event Outline & Objective:**

The objective of this expert lecture was to enlighten the students about the recent advancement in heat exchangers in heat transfer. D D Palande sir very elaborately shared and explained their knowledge about the topic. He very well explained the types of heat exchangers with their application and advantage and the current trends in heat exchangers.

Towards the end of the webinar he informed the students about the recent advancement in heat exchangers industrial applications also.

**Outcome of the event:**

Each and every student attending the webinar got a clear idea about recent advancement in heat exchangers.

**7. Posters**

**Department of Mechanical Engineering**  
**School of Engineering and Technology (SOET)**



**SANDIP**  
**UNIVERSITY**  
— UGC Recognised —

*Mechanical Engineering Department, SOET, Organizing a Guest Lecture  
for B Tech TE*

*on ' Recent advancement in Heat Transfer'  
By Prof D D Palande  
( Matoshree College of Engineering)*

*SATURDAY, DEC 18 AT 11 AM  
Online Mode ( link will be shared on same day)*



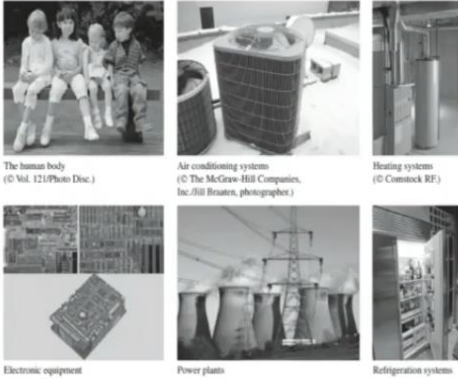
*Greetings*  
ISLAND

### 8. Event photos

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## Field of applications of Heat Transfer



1. Human Body
2. Air conditioning
3. Heating
4. Cooling of Electronic Equipment's
5. Power Plants
6. Refrigerators

The human body  
(© Vol. 12/Photo Disc.)

Air conditioning system  
(© The McGraw-Hill Companies, Inc./Bill Bratton, photographer)

Heating system  
(© Comstock RF.)

Electronic equipment

Power plants

Refrigeration systems

D. Palande

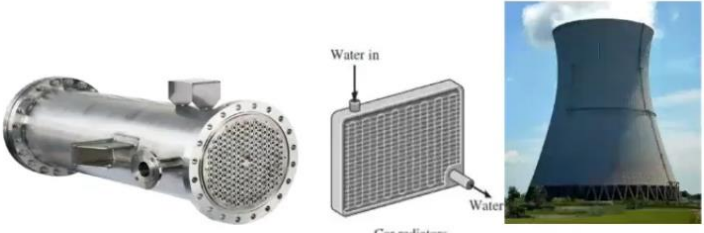
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## HEAT EXCHANGER

- What are these?



Water in

Water

Car radiators

- Heat exchangers, can be seen in daily life as well as in industries

D. Palande

20:26 / 47:19

**Department of Mechanical Engineering**  
**School of Engineering and Technology (SOET)**