



Shri Yashwantrao Bhonsale Education Society's  
**YASHWANTRAO BHONSALE INSTITUTE OF  
TECHNOLOGY**

**(DTE CODE : 3470) (MSBTE CODE : 1742)**

Approved by AICTE, DTE & Affiliated to Mumbai University & MSBTE Mumbai  
(NBA Accredited ME, CE, EE Diploma Programs)

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## **Report Of Webinar on Principles Of Engineering Thermodynamics**

On the 28<sup>th</sup> of September 2024, Yashwantrao Bhonsale Institute of Technology (Degree Section) has organized a webinar on Principles Of Engineering Thermodynamics. The event was conducted at the Tutorial room of YBIT (Room no 39) , where Guest speaker Prof. Ashish Suware (RMCET-Devrukh) interacted with all the second-year degree students.

### **Objective:**

1. To generate a deeper understanding of various thermodynamic properties, processes & thermodynamic cycles among students.
2. To generate awareness about practical real life applications of the engineering thermodynamics principals & concepts.

### **Summary:**

The webinar began with a warm welcome of the guest speaker Prof. Ashish Suware and a brief introduction about the topic by Prof. Swapneel Rawool. (HOD Mechanical Engg. dept.)

Prof. Ashish Suware is faculty at Rajendra Mane College of Engineering & Technology -Devrukh. He has a master's degree in "Mechanical Heat Power Engineering" and a teaching experience of more than 10 years.

Prof. Ashish Suware explained how the principles of engineering thermodynamics are the foundation for many concepts that are used in the real world such as design & construction of heat engines & refrigerators, building designs, efficient energy usage etc.

He explained the concepts of various thermodynamic properties, processes & cycles. He further elaborated using numerical based on carnot cycle, otto cycle, diesel cycle etc. The use of steam tables/ mollier chart was explained with suitable examples & numerical.

Prof. Suware also discussed the university examination pattern, providing essential tips for our Second Year Mechanical Engineering students.

He concluded the session with a Q & A session where he discussed the concept of Entropy.

On behalf of students present Mr. Suyog Joshi expressed gratitude for the wonderful & informative interactive session by Prof Ashish Suware.

Prof. Varun Mahabal & Prof. Hemant Dongare expressed vote of thanks towards guest lecturer for the guidance received.

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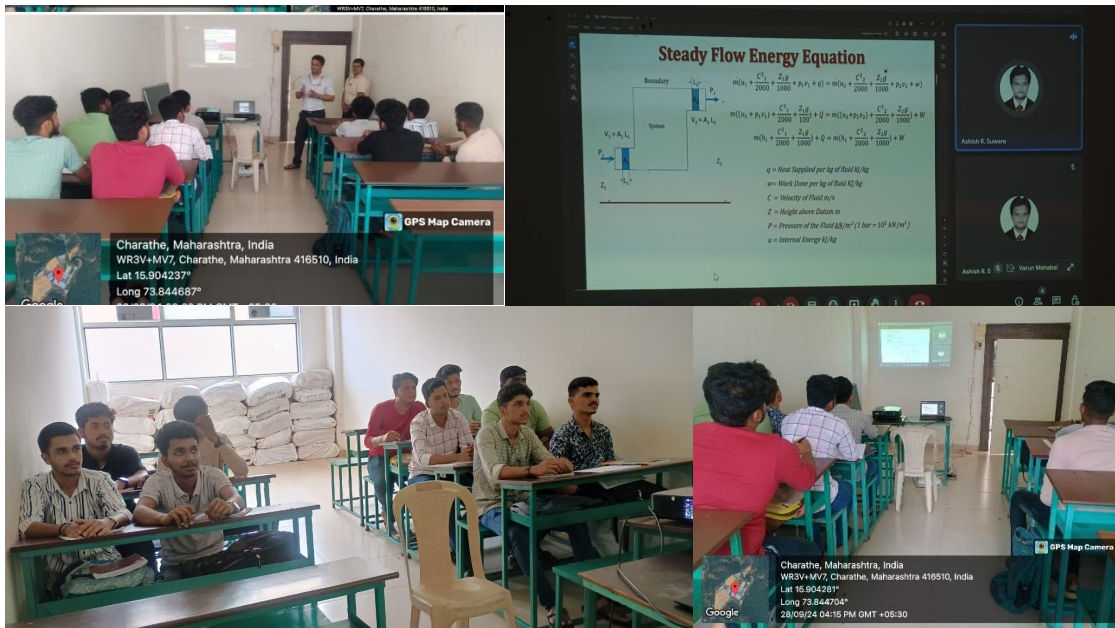
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### Outcome:

The webinar focused on improving understanding of students of the various thermodynamic properties, processes & thermodynamic cycles. Numerical & examples were used to demonstrate practical real-life applications of the engineering thermodynamics principals & concepts.

### Glimpse Of the Event:



Prof. Varun Mahabal  
Event Co-Ordinator

Prof. Swapneel Rawool  
HOD-Dept. of Mechanical  
Engineering

Dr Raman R Bane  
Principal-YBIT