

# Sapthagiri College of Engineering

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)  
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

## Department of Mechanical Engineering

### Certificate Course Report

Department of mechanical Engineering conducted Certificate Course on Thermodynamics.

**Guest Speaker:** Padmanabha G


**Duration of the course:** Five days from Jan 20<sup>th</sup> 2020 to Jan 24<sup>th</sup> 2020

#### Course detail

**Objective of the Course:** The five day course made the students to be familiar with the Thermodynamics Certificate Course became the vital step to improve the knowledge of students

Certificate course made them comfortable with the thermodynamics. Learning style adopted by students, which eventually is developed into a skill of their forte. Through this course, an ecstatic learning background paved way to a positive learning environment in the class where active participation was seen from every end. Faculty took the onus of interacting with the students personally to navigate them for the academic transition by becoming the guides by their side.

Dates	SESSION 1 (9.00 am-12.00 pm)	SESSION 2 (1.00 pm- 4.00 pm)
20-1-2020 Monday	Introduction to Thermodynamics	Concept of Heat and Work
21-1-2020 Tuesday	Application of First law of thermodynamics	Application of Second law of thermodynamics
22-1-2020 Wednesday	Ideal and Real Gases	Pure Substance

  
Principal  
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23-1-2020 Thursday	Thermodynamics Cycles	IC Engine
24-1-2020 Friday	Air compressor	Refrigeration and Air-conditioning

**Conclusion:** The optimistic learning environment prompted motivation in the learning of the students. They felt bonhomie after the course they took. A sense of satisfaction was also seen. Faculty members were also equally benefited with the course. They felt more expedient while delivering the lectures as the margin was erased between these students and others. A structured environment was created. This helped in the smooth flow of academic lesson plan by adhering to the timelines.



Figure: lecture to the students

  
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