



## Overview:

In today's scenario, everybody is well aware about the importance of combustion. The key to the development of mankind was the discovery of how to manage the combustion process. This course is an introductory course on the fundamentals of combustion for IC engines. It is important to understand the combustion phenomenon in order to design or develop better combustion engines, keeping an aim to maximize efficiency & minimize emission. This course will also introduce Advanced Combustion Concepts.

ARAI Academy presents a **comprehensive eLearning Proficiency Improvement Program (e-PIP)** on "Combustion in IC Engines" for students, faculty and working professionals.

On completing this course successfully, learner will get a certificate.

## Major Course Content:

- Fundamental of Combustion Process
- Combustion Chemical Reactions
- Otto Cycle & Diesel Cycle
- Gasoline & Diesel Combustion Process
- Stages of Gasoline & Diesel Combustion
- Abnormal Combustion Behaviour – Knocking
- Combustion Characteristics Curves & Analysis
- Advanced Combustion Concepts



**Course Seat Time:**  
1.5 hours



**Course Validity:**  
60 days

## ePIP Highlights:

- Latest and up-to-date content
- Highly interactive, engaging and effective
- Real-life industry examples
- Assessments to assess learner's knowledge
- Certificate on passing the Final Assessment

## Course Cost (INR):

- **Student:** Rs. 750 + 18% GST = Rs. 885
- **Faculty:** Rs. 1500 + 18% GST = Rs. 1770
- **Corporate Individual:** Rs. 3000 + 18% GST = Rs. 3540
- **Corporate Bulk (15 Licenses):** Rs. 22500+ 18% GST = Rs. 26550