



**INDIAN INSTITUTE OF SCIENCE
CENTRE FOR CONTINUING EDUCATION
CCE-PROFICIENCY COURSE (MAY – JULY 2026)**



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Minimum Qualification:

Those with Diploma/BE/B. Tech/AMIE/MSc (Engg)/ME/ M. Tech OR equivalent in the Mechanical Engineering/Automobile Engineering / Aerospace Engineering/Any Interested.

Pre-requisites: Nil

**ONLINE COURSE ON
INTERNAL COMBUSTION
ENGINES (3:0)**

APPLY NOW



Objectives of the Course:

Internal Combustion Engines are rapidly growing with technology for effective utilizations in the automobiles with the fuel-efficient engines for the aim of keeping the clean environment from the engine exhaust emissions as per the pollution norms. The objective of this course is to cover the fundamental aspects of IC Engines and share the developments with interested scientists, engineers, students and academicians by enhancing their knowledge.

Syllabus:

Over view on IC engines, engine classifications, basic engine components, thermodynamic cycles, performance tests in engines, pollution formation and measurements in SI and CI engines, dual fuel engines, Bharat and Euro norms, combustion process in petro-diesel engines, combustion chambers, phenomenon of knock, ignition, spray process, multi point fuel electronic injection system, flame propagation, engine emissions control, alternate fuels and properties, hydrogen engines, supercharging, turbo charging and some application of AI/ML in Engine.