



## 5 Days Certification Program

on

### IC Engines

FROM 23<sup>rd</sup> JULY 2018 to 27<sup>th</sup> JULY 2018

Organized by

### Department of Mechanical Engineering



### Sapthagiri College of Engineering

#14/5, Chikkasandra, Hesaraghatta  
Main Road, Bengaluru 560057

Phone: 080-28372800/01/02/03

### About the College

Sapthagiri Group of Institutions is the creation of Sri Srinivasa Educational & Charitable trust, Bengaluru. Sapthagiri College of Engineering is the brainchild of honorable Sri Giriyappa, Founder Chairman and Sri. G. Dayanand, Chairman of Sri Srinivasa Educational & Charitable trust. Sri G.D. Manoj is the Executive Director of SCE. SCE began its glorious journey in the year 2001. It is approved and accredited by AICTE, New Delhi and is affiliated to VTU Belagavi, Karanataka. The campus of Sapthagiri College of Engineering is spread across 6.5 acres of lush green land with beautiful landscape. The area enjoys pleasant atmosphere throughout the year. The college has secured 22 University ranks and 4 Gold medals.

### Vision

To create and maintain an enabling learning environment for the students to transform them as thorough professionals to meet diverse professional demands of global environments.

### Mission

To provide quality education to the students to pursue courses in different engineering disciplines and to transform their professional dreams into reality and to offer competent budding professionals to the society.

### About the Department:

The department of Mechanical Engineering, one of the prestigious and core departments in the Institution was established in the year 2001 right from the inception of the Institution with an objective of imparting quality technical education in the field of Mechanical Engineering. It started its course of journey with intake of 30 in the year 2001, increased to 60 in the year 2002 and 120 in the year 2013. The department is affiliated to Visvesvaraya Technological University, Belagavi and approved by AICTE, New Delhi and also recognized as a "Research Center" by VTU offering PhD/M.Sc (Engineering by Research) degrees in Mechanical Engineering

### About the Certification Program:

Its objectives are

- To enhance the skill sets of students in the IC Engines field.
- To develop the skills of Dismantling and assembling the engine parts.

### Topics Covered

#### Theory Session -

- Basic Components of a Motor Cycle
- Advanced Ignition, Braking and Exhaust systems
- Advanced topics on Turbo and Nitro charged Engines
- Component and structure of Chassis, Handling and steering system
- Advanced topics on Engine Control Unit, Sensors, and Actuators etc.

#### Hands-on Session -

- Dismantling of the engine into individual components
- Analyzing all the components first hand
- Live demonstration of the internal engine mechanisms
- Re-assembly of the engine

#### Case Studies

#### Resource Persons:

**Mr. Harish Kumar. S**  
CEO, Resree's R&E  
Bengaluru

#### Address for Communication/Registration

**Prof. Chethan B P- 9743064541**