

# 3 DAYS ONLINE PROFICIENCY IMPROVEMENT PROGRAMME (oPIP) ON ENGINE EMISSION & CONTROL

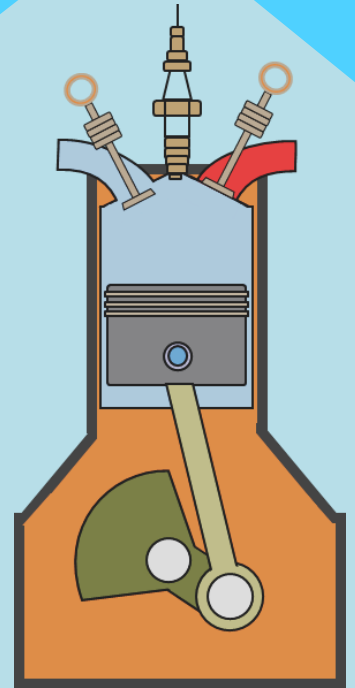
\* with free eLearning course on  
Emission Measurement Techniques



**Date:**  
08<sup>th</sup> Feb to 10<sup>th</sup> Feb, 2022



**Platform:**  
Online (MS Teams)



## 01 SPEAKERS OF THE PROGRAMME:



Mr. Neelkanth V. Marathe,  
Retired Sr. Deputy Director,  
ARAI



Mr. Rajendra A. Kankarej,  
Product Engineering –  
Group Leader,  
Cummins Emission Solutions,  
Cummins India, Pune



Mr HIRAK J. Gayen,  
General Manager,  
Academy, ARAI



Dr. S D Juttu,  
General Manager,  
EDL, ARAI



Mr. Aatmesh Jain,  
Deputy Manager,  
Academy, ARAI

## 02 OBJECTIVES:

With the global challenges with regards to overall pollution levels, legislation worldwide has become stricter to reduce automotive emissions. It is very important to understand the latest techniques to control emissions coming out from an IC Engine. These techniques can be either in-cylinder techniques or with the aid of after treatment devices. This oPIP focuses on various methods to reduce emissions from SI and CI engines, by focusing on types of emissions, their sources, measurement techniques, in-cylinder emission treatment, after treatment devices, etc.

## 03 SCHEDULE OF THE PROGRAMME:

Day One: 08 <sup>th</sup> February 2022 (Tuesday)	
Start	Subject
9:30	Introduction
9:45	Inauguration Address Topic: Overview of Emission Scenario
10:30	SI & CI Engine Combustion
11:30	Causes and Consequences of Regulated Emission Formation (HC, CO, PM, NOx)
Day Two : 09 <sup>th</sup> February 2022 (Wednesday)	
9:30	In-cylinder Emission Treatment
11:00	Gasoline After treatment Device (3-Way Catalytic Converter)
12:30	DPF & GPF
Day Three: 10 <sup>th</sup> February 2022 (Thursday)	
9:30	Urea Dosing System & Selective Catalytic Reduction (SCR) for BS-VI Applications
14:00	Assessment (MCQ based Quiz)
15:00	Concluding Session

## 04 REGISTRATION CONTACT:

**Contact Person:** Mr. Prasad Diwanji /  
Mr. Aatmesh Jain

**Phone:** 02135-630795/93/92/90 or  
02135-396695/93/92/90

**Email:** training.pga@araiindia.com;  
jain.pga@araiindia.com;

**Website:** www.araiindia.com;  
www.academy.araiindia.com

## 05 REGISTRATION FEES:

Category	Registration Fees (Rs.) (per participant)	Total Fees including 18% GST (Rs.) (per participant)
Students	1825	2153.5
Faculty	2600	3068
Industry Professional	3100	3658

**10% DISCOUNT if 5 or more delegates are registered from the same organization**

## 06 PAYMENT INFORMATION:

**Mode of Payment:** Online Transaction

**ARAI Pune Account No:** 04470200000280

**IFSC/RTGS/NEFT Code:** BARB0KARVER (0=Zero)

Note: Participants from organization in SEZ must confirm the applicability for GST before making the payment. Candidates with more than 50% marks in the assessment test are eligible for the certificate.



**FREE E-LEARNING COURSE on Emission Measurement Techniques**

\* worth INR 2000 with additional certificate

**Note:** ARAI reserves the right to change the dates, contents, schedule, etc. for the programme without any notice. No recordings of the training session will be provided. Hence, request to attend all the sessions.