

ENGINE EMISSION & CONTROL

3 DAYS BLENDED ONLINE PROFICIENCY IMPROVEMENT PROGRAMME (oPIP)

oPIP OVERVIEW

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.

ARAI Academy presents a very comprehensive online Proficiency Improvement Programme (oPIP) on "Engine Emission & Control" for students, faculty & working professionals. ARAI Academy also announces a FREE eLearning course (ePIP) on "Emission Measurement techniques", especially for the participants of this Programme, with an aim to ensure maximum learning.



7th – 9th Sep 2021



**FREE E-LEARNING COURSE ON
EMISSION MEASUREMENT TECHNIQUES**
worth INR 2000 with additional certificate*

REGISTRATION DETAILS



Training Fees (INR)		Registration Details	
Category	Fees (including 18% GST)	Mode of Payment	Online Transaction
Student	1450 + 18% GST = 1711 Rs.	ARAI Account No	0447020000280
Faculty	2100 + 18% GST = 2478 Rs.		
Industry Professional	2600 + 18% GST = 3068 Rs.	IFS/RTGS/NEFT Code	BARBOKARVER (0=Zero)

- After the payment, share your details at training.pga@araiindia.com
- 10% discount, if 5 or more delegates are registered from the same organization.
- Participants whose organization is in SEZ, kindly confirm for GST applicability, before making the payment.
- Candidates with more than 50 % marks in the oPIP assessment test are only eligible for the digital certificate.

TO GET MORE INFORMATION



NAME Mr Aatmesh Jain / Mr N. A. Deshmukh / Mr. Rajesh M Patil
PHONE 02135-39 6695 / 6692 / 6691 / 6690
EMAIL training.pga@araiindia.com / jain.pga@araiindia.com / patil.pga@araiindia.com
WEBSITE www.araiindia.com ; www.academy.araiindia.com

NOTE:

ARAI reserves the right to change the dates, contents, schedule, etc. for the programme without any notice. Lecture recording will not be shared with the participants. Hence, request to attend all the sessions.

* T&C applied

Day One: 7 Sep 2021 (Tuesday)		
Technical Sessions	Topic	Time (IST)
Inauguration & Welcome Address		
Technical Session 01	Overview of Emission Scenario & CO ₂ Emissions	10.00 – 11.30
Technical Session 02	CI & SI Engine Combustion	11.30 – 12.30
Technical Session 03	Causes and Consequences of Regulated Emission Formation (HC, CO, PM, NOX)	12.30 – 13.00
Day Two: 08 Sep 2021 (Wednesday)		
Technical Session 04	In-cylinder Emission Treatment	9.30 – 11.00
Technical Session 05	Gasoline After treatment Device (3-Way Catalytic Converter)	11.00 – 12.00
Technical Session 06	DPF & GPF	12.00 – 13.00
Day Three: 09 Sep 2021 (Thursday)		
Technical Session 07	Urea Dosing System & Selective Catalytic Reduction (SCR)	9.30 – 11.00
Technical Session 08	Assessment (MCQ based Quiz)	14.00 – 14.45
Valedictory & Declaration of Toppers		15.00 – 15.45

- Candidates with more than 50% marks in the assessment test are only eligible for the certificate.
- Complimentary ePIP on "Emission Measurement Techniques" will be shared with delegates with 60 days of validity.
- ePIP Exam will be conducted on completion of eLearning course. ePIP Certificates will be given to those who successfully pass the ePIP exam with 70% passing marks.

3 Days Global Blended Online Proficiency Improvement Programme (oPIP) on "Engine Emission & Control" from 07th to 09th September 2021

Programme jointly organized by:



Invited Speakers

Inauguration on
07th September 2021 at 09:30 by:



Mr. N. V. Marathe,
Senior Deputy Director,
PTD, ARAI, Pune

Valedictory Session
on 09th September 2021 at 15:00 by:



Dr. B. N. Jajoo,
Technical Advisor,
H.V.P.M. COET, Amravati

Speakers:



Dr. K. C. Vora,
Sr. Dy. Director & Head,
ARAI Academy, ARAI, Pune



Mr. Aatmesh Jain,
Engineer, ARAI Academy,
ARAI, Pune



Mr. Rajendra A. Kankarej,
Product Engineering
Group Leader, Cummins, Pune

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Additional Benefits



FREE E-learning Course on "Emission Measurement Techniques"

FREE

* worth 2000 INR with additional certificate

Contact Information:

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Phone: 02135-39 6695 / 6692 / 6691 / 6690
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For registration, please mail to training.pga@araiindia.com

Note: Candidates with more than 50% marks in the assessment test are eligible for the oPIP certificate.

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For Student: Rs. 1450 + 18% GST = Rs. 1711
For Teaching Faculty: Rs. 2100 + 18% GST = Rs. 2478
For Industry Professional: Rs. 2600 + 18% GST = Rs. 3068

Mode of Payment: Online Transaction
ARAI Pune Account No: 04470200000280
IFS/RTGS/NEFT Code: BARB0KARVER (0=Zero)

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ARAI ACADEMY
Excellence in Education