

SPEAKERS



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



Dr. S. S. Thipse :
Dy. Director, Powertrain Engineering,
ARAI, Pune.



Dr. S. S. Ramdasi :
General Manager, Powertrain Engineering,
ARAI, Pune.



Dr. S. A. Patil :
Dy. General Manager, ARAI Academy,
ARAI, Pune.



Mr. K. P. Wani :
Manager, ARAI Academy,
ARAI, Pune.



Mr. Sumukh Deshpande :
Manager, Safety & Homologation Dept,
ARAI, Pune.



Dr. Brijesh Patel :
Dy. Manager, ARAI Academy,
ARAI, Pune.



Mr. M. T. Ingale :
Dy. Manager, ARAI Academy,
ARAI, Pune.



Mr. Mohammad Rafiq B. Agrewale :
Dy. Manager, ARAI Academy,
ARAI, Pune.



Mr. Bhavesh Javale :
Research Engineer, ARAI Academy,
ARAI, Pune.



3 Day Proficiency Improvement Programme on
Automotive Engineering
at ARAI, Kothrud, Pune
19th to 21st June 2017

REGISTRATION FORM

Name, Designation, Dept., Office No., Mobile No. & Email ID :	
Delegate - 1	
Delegate - 2	
Delegate - 3	
Company Name & Address	
Co-ordinator's Name, Designation, Contact No., Email ID	
100% Advance Payment Details	

Please fax/email/post duly filled-in registration form on or before 16th June 2017 to :
Dr. K. C. Vora, Sr. Dy. Director & Head, ARAI Academy
ARAI Post Box 832, Pune 411 004 / S. No. 102, Vetral Hill, Off Paud Road, Kothrud, Pune 411 038.
Tel: 020-3023 1248 / 1245 / 1239, Fax : 020-3023 1104.
Email: training.pga@araiindia.com; morgaonkar.pga@araiindia.com; patil.pga@araiindia.com



2015



2011

3 Day Proficiency Improvement Programme on
Automotive Engineering



at
ARAI, Kothrud, Pune
(The Automotive Research Association of India)

19th to 21st June 2017

Organized by



BACKGROUND & OBJECTIVES

Due to the shrinking life-cycle of new vehicles and models, the vehicle manufacturers have to keep an eye on the future to sustain in the competitive global markets. The amazing advancements in automotive technology have been driven by market preferences of the ever demanding customer and the opportunity presented by the new technology. At the same time, the new regulations regarding vehicle performance, safety, emission, clean air and fuel consumption have changed the way vehicles are designed and manufactured today. This programme encompasses fundamental of Automotive Engineering and some of latest technology & regulatory aspect in India & abroad.

INTENDED LEARNING OUTCOMES

On completion of the module, the delegates should be able to:

- Understand fundamentals of Automotive Engineering
- Understand Automotive & Component Testing for Certification
- Understand I. C. Engine Design & Development
- Understand Automotive Safety & Future Trends
- Understand Emission Control and After Treatment Devices
- Understand Automotive Fuel Technology
- Understand Electric & Hybrid Vehicle
- Understand Fuel Cell Technology
- Understand Automotive NVH
- Understand On Board Technology (OBD)
- Lead multi-disciplinary teams
- Demonstrate independent learning ability necessary for conducting professional development
- Become self-disciplined self-motivated, demonstrating
- Personal responsibility in the pursuit of studies

Note : ARAI reserves the right to change the dates, schedule, contents, speakers, venue etc. for the programme without any notice.

PROGRAMME

Day One

- 08.30 - Registration & Breakfast
- 09.30 - Fundamentals of Automotive Engineering
- 11.00 - Tea Break
- 11.15 - Engine Design & Development
- 13.00 - Lunch
- 14.00 - Engine Combustion & Emission
- 15.30 - Alternate Fuel Technology
- 17.00 - Conclusion

Day Two

- 09.00 - Electric & Hybrid Vehicles
- 11.00 - Tea Break
- 11.15 - Fuel Cell vehicle Technology
- 13.00 - Lunch
- 14.00 - Automotive NVH
- 15.30 - Automotive Safety & Future Trends
- 17.00 - Conclusion

Day Three

- 09.00 - On Board Diagnostics (OBD)
- 11.00 - Tea Break
- 11.15 - Automotive Testing & Certification
- 13.00 - Lunch
- 14.00 - Overview of Emission Control & After Treatment Devices
- 15.00 - Test
- 15.30 - Summary, Discussions & Feedback
- 16.30 - Valedictory Function
- 17.00 - Conclusion



ARAI

WHO SHOULD ATTEND ?

- Organizations involved in R&D, design, manufacturing, testing, and product development teams.
- Automotive electronic component manufacturers and suppliers of critical components.
- Engineers working in the areas of automotive electronics.
- Engineers who are interested in pursuing further studies on part time / full time basis.
- Engineering / consulting companies.
- Professors / engineering college students.

MODE OF PAYMENT

At Par / Multicity cheque or demand draft in favour of
The Automotive Research Association of India
 payable at Pune.

ARAI, over five decades, has provided its design and development expertise to the Indian automotive industry, focusing on the testing and evaluation of components and systems to meet national and international standards. ARAI strives to achieve international recognition in these areas. In keeping with the globalization of economy and business, ARAI continues to enlarge its scope of services to meet the requirements of automotive industries around the world. In addition to utilizing state-of-the-art technology, laboratories and highly-trained personnel, ARAI recognizes the need to develop a new generation of engineers to meet the demands of the automotive industry, not just in India but across the globe.

ARAI ACADEMY is classified into three divisions:

LEARNING CENTRE has embarked upon a programme of building up human resources by commencing educational programme (Graduate, Post graduate & Doctoral) with specialization in Automotive Engineering. It has tied up with VIT University (Vellore), Veltech University (Chennai), College of Engineering (Pune), Christ University (Bangalore), University of Alabama (USA), Tennessee Tech University (USA), Loughborough University (UK) and University of Braunschweig (Germany).

TRAINING CENTRE, In line with Post Graduate and Doctoral Programs conducted by various universities abroad, ARAI Academy has devised various Proficiency Improvement Programmes (PIPs), to be taught by ARAI, Academia & Industry Experts. PIP gives engineers, faculty and student's knowledge and technical expertise in a wide range of automotive disciplines. It helps in understanding system's view point for automotive design and manufacture, with specific skills in formulating automotive engineering

REGISTRATION FEES

Category	Registration Fees (Rs.) (per participant)	Total Fees including Tax of 15% (Rs.)* (per participant)
Until 1 st May 2017	10,000.00	11,500.00
Until 15 th May 2017	15,000.00	17,250.00
Until 1 st June 2017	20,000.00	23,000.00

*Service Tax is as applicable at the time of program.

Registration fees includes :

- Breakfast
- Lunch
- Delegate Kit

solutions in terms of their function and performance, through optional modules.

Based on the present system in universities, credits are proposed for each module, so that the graduate engineers can attend various modules and sum-up the credits required for Master's or Doctoral Programs. Participants also get chance to visit related laboratories of ARAI and get hands on experience. Certificates are issued on the basis of attendance & written test conducted at the end of the programme. We also conduct Training Programmes through WEBEX and Domain Training Programmes for Automotive Industry.

We also conduct training programmes through eLearning, WEBEX and Domain Training Programmes for automotive industry at their preferred sites. ARAI has started developing web based eLearning Courses popularly known as 'ePIPs' (eLearning Proficiency Improvement Programmes) on various Automotive Engineering domain. ePIPs are highly engaging and effective eLearning modules, in which the licenced users can learn the subject matter online and gain practical as well as theoretical knowledge at their own pace, using a wide range of digital devices, anytime and anywhere.

KNOWLEDGE CENTRE It has collection of around 23,000 books, standards, project reports, seminar/conference proceedings and around 75,000 SAE technical papers. It also has 237 eBooks. It subscribes to 40 national and international journals. It regularly publishes a monthly magazine 'Automotive Abstracts'. It also conducts literature / patent search for customer's projects.

Please visit www.araiindia.com for more information.