

SPEAKERS



Mr. Sriram T V :
Vice President - Engineering,
Center Head-Coimbatore, Robert Bosch
Engineering & Business Solutions (P) Ltd.



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



Dr. Anindya Deb :
Professor,
Centre for Product Design and Manufacturing,
Indian Institute of Science (IISc), Bangalore.



Dr. Karthikeyan :
Associate Professor,
PSG College of Technology,
Coimbatore.



Mr. P. Manikandan :
Department Head,
Robert Bosch Engineering & Business
Solutions (P) Ltd., Coimbatore



Mr. Arivazhagan Panneerselvam :
Senior Software Engineer,
Robert Bosch Engineering & Business
Solutions (P) Ltd., Coimbatore



Mr. Kamal Pradeep :
Senior Project Manager,
Robert Bosch Engineering & Business
Solutions (P) Ltd., Coimbatore



Mr. Santhosh Ram :
System Architect,
Robert Bosch Engineering & Business
Solutions (P) Ltd., Coimbatore



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

**Note: Also speakers from other
Industry are expected.**

**3 Day Proficiency Improvement Programme on
Futuristic Automotive
Technologies**

17th – 19th August 2017

at Kumaraguru College of Technology (KCT), Coimbatore

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 14th August 2017 to:

Dr. K. C. Vora, Sr. Dy. Director & Head, ARAI Academy
ARAI Post Box 832, Pune 411004 / S. No. 102, Vetal Hill, Off Paud Road,
Kothrud, Pune 411038. Tel: 020-3023 1248/ 1245 /1111, Fax: 020-3023 1104
Email: training.pga@araiindia.com; morgaonkar.pga@araiindia.com; patil.pga@araiindia.com

Dr. S. John Alexis, Professor, Dept. of Automobile Engg.,
at Kumaraguru College of Technology (KCT), Coimbatore - 641 049
Ph. +91 422 2661380 / +91 94423 76705,
Mail: johnalexis.s.auto@kct.ac.in

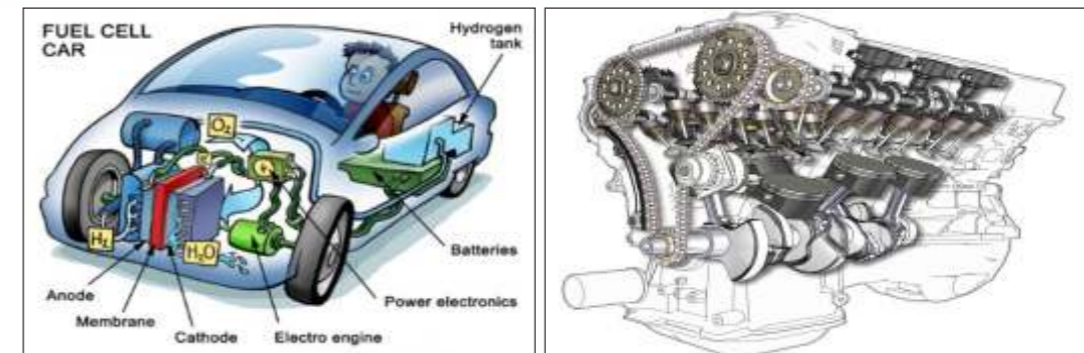


2015



2011

**3 Day Proficiency Improvement Programme on
Futuristic Automotive
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at
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Jointly Organized by



BACKGROUND & OBJECTIVES

Sustainable mobility development offers many challenges for Automakers around the globe. Main focus is on reduction in recourse consumption, reduction of emission and digital age transformation. This programme encompasses fundamentals of Automotive Engineering and some of the latest technologies and regulatory aspects in India & abroad. Some of the topics included are Automotive Electronics, Fuel Cell Vehicles, Automotive Testing & Certification, I C Engine Design & Development, Latest trends in Automotive Safety, Autonomous Vehicles, Connected Vehicles, Light weighting of Automobiles, etc.

INTENDED LEARNING OUTCOMES

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

- Understand I C Engine Design & Development
- Understand Trends in Automotive Safety
- Understand Emission Norms & Meeting BS VI
- Understand Automotive Electronics
- Understand Overview of Fuel Cell Vehicle Technology
- Understand Overview of Connected Vehicle Technology
- Understanding Design for Light weighting of Vehicles
- Understand Overview of Autonomous Vehicle Technology
- Lead multi-disciplinary teams
- Demonstrate independent learning ability necessary for conducting professional development
- Become self-disciplined self-motivated, demonstrating

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



Kumaraguru College of Technology (KCT)

PROGRAMME

Day One

- 8.30 – Registration & Breakfast
- 9.30 – Inauguration & Welcome Address
- 10.00 – I C Engine Design & Development
- 11.45 – Trends in Automotive Safety
- 13.00 – Lunch
- 14.00 – Automotive Testing & Certification
- 17.00 – Conclusion

Day Two

- 9.00 – Advanced Automotive Electronics
- 10.00 – Autonomous Vehicles
- 12.00 – Fuel Cell Technology
- 13.00 – Lunch
- 14.00 – Fuel Cell Technology
- 15.45 – Meeting BS VI Emission Norms
- 17.00 – Conclusion

Day Three

- 9.00 – Designing for Light Weight Vehicles
- 11.15 – Connected Vehicles
- 13.00 – Lunch
- 14.00 – Test
- 15.00 – Summary, Discussions & feedback
- 16.00 – Valedictory Function
- 17.00 – Conclusion



ARAI

WHO SHOULD ATTEND ?

- Organizations involved in Automotive Research, Design, Development, Testing, Certification & Manufacturing
- Vehicle & Component Manufacturers
- Engine Manufacturing, Assembly & Service Engineers
- Engineering / Consulting Companies
- Professors / Engineering Students
- Engineers who are interested in pursuing further studies on part time / full time basis

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).

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.

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 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.

Please visit www.araiindia.com for more information.

REGISTRATION FEES

Category	Registration Fees (Rs.) (per participant)	Total Fees including Tax of 18% (Rs.)* (per participant)
Engineers & Professionals	5,000.00	5,900.00
Teaching Faculty	3,000.00	3,540.00
Engineering College Students	2,000.00	2,360.00

Besides Registration Fee, Kumaraguru College of Technology, Coimbatore (KCT) will charge separately for accommodation and food which is optional for delegates.

(Contact **Mr. S. Satish**, Assistance Professor, Dept. of Automobile Engg., KCT Mail: satish.s.auto@kct.ac.in)

Kumaraguru College of Technology (KCT), Coimbatore is an autonomous Engineering College, established in 1984 under the auspices of Ramanandha Adigalar Foundation, part of Sakthi Group founded by Arutchelvar Dr.N.Mahalingam, a Gandhian, industrialist and a philanthropist. He envisioned to empower the youth through quality education and thereby drive socio economic development blended with spirituality. True to the vision of its Founder, KCT stands today as an institution of excellence in technical education with 34 years of illustrious service to the students, many of whom are shining as leaders and contributors to development, across the world. Located amidst the IT corridor in a sprawling campus of 150 acres, KCT offers 13 Under Graduate and 14 Post Graduate programmes with many approved Research Centres. More than 6000 students are imparted quality technical education by a dedicated team of 395 qualified and experienced faculty members and ably assisted by 360 supporting staff. The college has residential facilities to accommodate about 3300 students in 8 blocks with state-of-the art dining halls and student facility centre, Well-equipped laboratories, research facilities such as iQube, CEAD, Garage, Dirt-track are some of the facilities which are part of KCT. FORGE, a techno business incubator of KCT provides technological consulting for start-up pursuits of alumni of KCT and entrepreneurs, besides supporting conversion of innovative ideas of students into product development.

Department of Automobile Engineering : Established in the year 2011 with a mission to prepare highly competent Automobile Engineers for global automotive industries through innovative, industry oriented curriculum and intensive practical training. Industry exposure is given to the students through expert lectures, internships & projects in the thrust areas of Automotive Design & Automotive Electronics. The department has state of the art Laboratories and testing facilities for advanced learning. An Engineering Learning Centre has set up for Self-Learning of fundamental Engineering subjects through interactive Curriculum Plus software and application products. Students are provided opportunity for design and fabricate go karts, ATVs, Formula Cars, Solar vehicles through 24 x 7 facilities CEAD & GARAGE for design and fabrication. The department also has a dedicated Vehicle Testing track for testing of ATVs, Quad Bikes and Dirt Bikes. Industry sponsored BOSCH Centre for Automotive Electronics is set up train students in the Electronic Engine Management and various advanced automotive systems.

Please visit www.kct.ac.in for more information.