

LEARNING CENTRE

ARAI, over four 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.

It has embarked upon a programme of building up human resources by commencing educational programmes with specialization in Automotive Engineering. It has tied up with VIT University (Vellore), VELTECH University (Chennai), University of Alabama (USA) and Loughborough University (UK).

UNIVERSITY	PROGRAM	SPECIALIZATION	DURATION	NO.OF SEATS
VIT, VELLORE	B. Tech.	Mechanical Engineering with specialization in Automotive Engineering	4 years	60
	M. Tech.	Automotive Engineering	2 years	50
ALABAMA, USA	M. S. in Mechanical Engineering with Automotive Engineering Emphasis	Product Development & Design	2 years	25
		Manufacturing & Materials		
		Automotive Engineering Tools & Technologies		
		Automotive Enabling Technologies & Simulation		
LOUGHBOROUGH, UK	M. Sc. (Full Time)	Automotive Systems Engineering	18 months	25
	M. Sc. (Part Time)		36 months	25
	Ph. D. (Full Time)		3 years	05
	Ph. D. (Part Time)		5 years	05
VELTECH, CHENNAI	M. E.	I. C. Engines	2 years	25
	M. E.	Automotive Electronics & Embedded Systems	2 years	25
	M. E.	Automotive Materials & Manufacturing	2 years	25

For Further information and registration, please visit www.araiindia.com or contact Dr. K. C. VORA on 020-3023 1240 or email to vora.pga@araiindia.com.

KNOWLEDGE CENTRE

It has collection of around 11,000 books & standards, 50,000 technical papers and numerous journals, technical reports and seminar / conference proceedings. It publishes monthly magazine “Automotive Abstracts” and supplies CDs of CMVR Type Approval Handbook and Automotive Industry Standards (AIS). It also contact literature / patent search for your projects.

To become a member of Knowledge Centre, please contact **Mrs. S. S. Das** on 020 3023 1192 or email to kc@araiindia.com

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 systems view point for automotive design and manufacture, with specific skills in formulating automotive engineering solution 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 Masters 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 written test conducted at the end of the programme.

PROFICIENCY IMPROVEMENT PROGRAMME (PIP) TENTATIVE CALENDAR

TITLE OF THE COURSE	DATE	DURATION IN DAYS	VENUE	PARTNER
Tyre Noise : Mechanisms, Evaluation (Measurement & Simulation) and Trouble-Shooting	8 th -9 th March 2010	02	ARAI	
Road Traffic Accidents and Safety Measures with BLS	12 th -13 th Mar 2010	02	ARAI	Society for Neuro Sciences & SAVINGS LIVES PROJECT
Vehicle Dynamics & Motorsport Engineering	17 th -21 st Mar 2010	05	ARAI	SAEINDIA WS & Optimum G
Measurement System Analysis (MSA)	18 th -19 th Mar 2010	02	ARAI FID	TUV Rheinland
Automotive Materials & Failure Analysis	19 th -23 rd Apr 2010	05	ARAI FID	ARAI FID and UAB
Automotive Noise, Vibration & Harshness	10 th -14 th May 2010	05	ARAI	
Diploma in Quality Management	17 th -21 st May 2010	05	ARAI FID	TUV Rheinland
REACH Compliance Manager	7 th - 8 th Jun 2010	02	ARAI	TUV Rheinland
Alternate Fuels & Alternative Powertrains	28 th -30 th Jun 2010	03	ARAI	Indian Oil, REVA, Eaton
Automotive Certification & Homologation	21 st -23 rd Jul 2010	03	ARAI	TUV Rheinland
Proficiency Development in Engineering	4 th -6 th Aug 2010	03	ARAI	
Automotive Transmission Engineering (Part III- Bearing)	18 th -20 th Aug 2010	03	ARAI	Romax Technology, UK
Power Train Engineering	30 th Aug-3 rd Sep 2010	05	ARAI	Loughborough Univ, UK
Automotive Safety	13 th - 17 th Sep 2010	05	ARAI	
International Conference on Automotive Materials & Manufacturing	6 th - 8 th Oct 2010	03	ARAI FID	Volkswagen, Veltech & Braunschweig University
Automotive Lighting	24 th -26 th Nov 2010	03	ARAI	
Automotive Electronics & EMC	29 th Nov-3 rd Dec 2010	05	ARAI	
Engine Design & Development	16 th -18 th Jan 2011	03	ARAI	SAEINDIA Western Section
Automotive Transmission Engineering (Part IV- NVH)	10 th -11 th Feb 2011	02	ARAI	Romax Technology, UK

For Further information and registration, please visit www.araiindia.com or contact:

Mr. Rajesh Patil at 020-3023 1241/45, patil.pga@araiindia.com for ARAI venue.

Ms. Margaret Manjarekar at 02135-660837/43, training@firiindia.com for ARAI FID venue.

ARAI: The Automotive Research Association of India, S.No.102, Vetal Hill, Off Paud Road, Kothrud, Pune-411 004.

ARAI FID: ARAI Forging Industry Division, Plot No B-16/1, MIDC, Chakan, Taluka Khed, Pune-410 501.