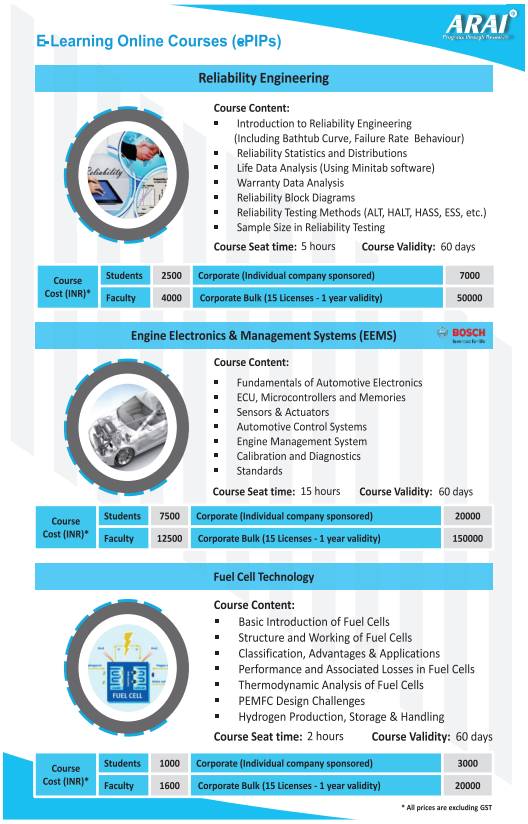
TRAINING CENTRE

Training Centre has devised various Proficiency Improvement Programmes (PIPs). It gives engineers, faculty and students 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. Domain Training Programmes (DTPs), where training is imparted at Customer's site are also becoming more popular.

Academy is developing high quality e-learning modules called "ePIPs" on various Automobile Engineering subjects. These highly interactive e-Modules hosted on ARAI's own Learning Management System (LMS) https://elearning.araiindia.com/ help users access these courses anytime & anywhere. With this, ARAI Academy has become global with 360 blended training approach.



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

For further information & registration
of Training Programmes,
please contact Mr. Rajesh Patil, Dy. General Manager,
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Visit us at https://araiindia.com
http://academy.araiindia.com;

PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs)

TITLE OF THE COURSE	DATE	DURATION IN DAYS	VENUE	PROPOSED PARTNER/S
Electric Vehicle: Development, Validation & Certification	4th -6th Dec19	03	ARAI FID	
IC Engine	9th -11th Dec 19	03	AEC Surampalem	Aditya Engg.College (AEC)
Failure Analysis (including Auto & Engine components)	11th -13th Dec 19	03	ARAI FID	ASM, Pune
Benchmarking – Tear down, 3D Scanning & CAD Generation	12th Dec 19	01	ARAI FID	
Advances in Plastic Moulding	16th Dec 19	01	ARAI Kothrud	
Fluid Connections for Automotive (inclusive of Electric Vehicles)	16th -17th Dec 19	02	ARAI FID	ARaymond
Automotive Sensors & Actuators	19th -20th Dec 19	02	ARAI FID	
Real Driving Emission	17th Jan 20	01	ARAI FID	
HIL for Automotive Applications	23rd -24th Jan 20	02	ARAI FID	
3D Printing	30th -31st Jan 20	02	ARAI FID	
Noise & Vibration Application in Automotive Engineering	4th Feb 20	01	ARAI FID	
Multi-physics Analysis and Optimization of EV	13th -14th Feb 20	02	Vel Tech	Vel Tech Chennai & Altair
Rapid Prototyping for Automotive Electronics Application	18th Feb 20	01	ARAI FID	
Simulation for Electric & Hybrid Vehicles	20th -21st Feb 20	02	ARAI FID	ANSYS
Geometrical Dimensioning & Tolerancing (GD&T)	25th -26st Feb 20	02	ARAI FID	
Engine Emission & Control	2nd -4th Mar 20	03	ARAI FID	ECMA
Thermal Management for xEV	8th -9th Apr 20	02	ARAI FID	Ricardo
Engine Design & Development	13th -15th Apr 20	03	ARAI FID	
Metallurgy for Non-metallurgist	4th -6th May 20	03	ARAI FID	ASM, Pune
Automotive Testing & Certification	13th -15th May 20	03	ARAI FID	
Battery, BMS & Charging Infrastructure	28th -29th May 20	02	ARAI FID	
Foundry Technology	9th -11th Jun 20	03	ARAI FID	ASM, Pune
Automotive Engineering	16th -19th Jun 20	04	ARAI FID	
Brake System Design & SafeT	23rd Jun 20	01	ARAI FID	
Powertrain Engineering	29th Jun-2nd Jul 20	04	ARAI FID	
Embedded Systems for Automotive Applications	20th -21th July 20	02	ARAI FID	
Forging Technology	22nd -24th July 20	03	ARAI FID	
Vehicle EMC	28th -29th July 20	02	ARAI FID	
Hybrid Electric Vehicle (HEV)	4th -6th Aug 20	03	ARAI FID	
Automotive NVH	11th -14th Aug 20	04	ARAI FID	
Engine Testing & Certification	18th -20th Aug 20	03	ARAI FID	
Basic & Advances in Heat Treatment	26th -28th Aug 20	03	ARAI FID	ASM, Pune
ECU & Diagnostics	10th -11th Sept 20	02	ARAI FID	
Testing of Seating Systems	18th Sept 20	01	ARAI FID	
Failure Mode & Effect Analysis (FMEA)	30th Sept 20	01	ARAI FID	
Crash Safety	13th -14th Oct 20	02	ARAI FID	
Automotive Sensors & Actuators	26th -27th Nov 20	02	ARAI FID	
Electric Vehicle: Development, Validation & Certification	2nd -4th Dec 20	03	ARAI FID	
Failure Analysis (including Auto & Engine components)	16th -18th Dec 20	03	ARAI FID	ASM, Pune
Automotive Test Engineer Qualification Pack (QP)				
• Module 1: Foundation Course	6th -17th Jul 20	10	ARAI FID	ASDC
• Module 2: Engine Level Testing	7th -11th Sept 20	05		
• Module 3: Component Level Testing	7th -11th Dec 20	05		
• Module 4: Vehicle Level Testing	8th -12th Feb 21	05		
• Final Exam	22nd -26th Mar 21	05		
PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED				
E-mobility & FAME II requirements	To be decided	02	ARAI Kothrud	
DPF & SCR for BS VI	To be decided	01	ARAI FID	
Alternate Energy (Including CNG, Methanol)	To be decided	01	ARAI FID	
Engine Electronics & Management Systems (bPIP)	To be decided	03	ARAI FID	
Reliability Engineering (bPIP)	To be decided	01	ARAI FID	
Automotive Materials & Characterization	To be decided	03	ARAI FID	ASM, Pune
Automotive Manufacturing	To be decided	02	ARAI FID	
Emission Type Approval including PUC (bPIP)	To be decided	02	ARAI FID	
eMobility	To be decided	02	Bengaluru	Christ, Bengaluru
Virtual Test Calibration	To be decided	02	ARAI FID	
Advance Transmission Design & Development	To be decided	02	ARAI FID	
Vehicle Dynamics	To be decided	02	ARAI FID	
Fluid Connection for Automotive Applications	To be decided	02	ARAI FID	

DOMAIN TRAINING PROGRAMMES (DTPs)	
Engine Design & Development	BSVI Regulations
Engine Testing & Certification	Design, Validation & Failure Analysis of IC Engine
Automotive / Vehicle Testing & Certification	DFMEA / DVP&R
Automotive Engineering	Heat Treatment
Fundamentals of Automotive Electricals and Electronics	Testing of Seating Systems