





### **ARAI Academy Short Term Training Programmes**

ARAI, over five and half 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 which has completed 15 years on 10 May 2019, is a Skill Development initiative of ARAI. It is classified into three divisions, viz Learning Centre, Training Centre and Knowledge Centre. Learning Centre has embarked upon a programme of building up human resources by commencing educational programme (Graduate, PG Diploma, Post Graduate & Doctoral) with specialization in Automotive Engineering. It has tied up with SRM (Chennai), KARE (Krishnankoil), College of Engineering (Pune), Christ (Bengaluru), Cummins College of Engineering for Women (Pune), Savitribai Phule Pune University (Pune), Chitkara University, (Chandigarh), MIT World Peace University, (Pune), MIT ADT University (Pune), RIT, Sangli and other Universities in India & abroad.

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. ARAI Academy has developed 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) <a href="https://elearning.araiindia.com/">https://elearning.araiindia.com/</a> help users access these courses anytime & anywhere. With this, ARAI Academy has become global with 360 blended training approach.

#### **PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs)**

TITLE OF THE COURSE	DATE	DURATION	VENUE	PROPOSED PARTNER/S
Road Safety Awareness Programs	25 <sup>th</sup> Oct 21	02 hrs	Online	ACMA, ASDC, SIAM & AICTE
E-Mobility & Charging Infrastructure	26 <sup>th</sup> – 28 <sup>th</sup> Oct 21	09 hrs	Online	
Automotive NVH	09 <sup>th</sup> – 11 <sup>th</sup> Nov 21	09 hrs	Online	
Road Safety Awareness Programs	12 <sup>th</sup> Nov 21	02 hrs	Online	ACMA, ASDC, SIAM & AICTE
Advanced Material Characterization and Component Testing	15 <sup>th</sup> – 17 <sup>th</sup> Nov 21	09 hrs	Online	
Thermal Management of Electric Vehicle	17 <sup>th</sup> – 18 <sup>th</sup> Nov 21	06 hrs	Online	
Electric Vehicles: Development, Validation & Certification	23 <sup>rd</sup> – 25 <sup>th</sup> Nov 21	09 hrs	Online	
Benchmarking : An Engineered Approach	26 <sup>th</sup> Nov 21	06 hrs	Online	
Engine Simulation	29 <sup>th</sup> – 30 <sup>th</sup> Nov 21	06 hrs	Online	
Emission Type Approval (including BS-VI) (Blended)	1 <sup>st</sup> – 3 <sup>rd</sup> Dec 21	09 hrs	Online	
Reliability Engineering (Blended)	8 <sup>th</sup> - 9 <sup>th</sup> Dec 21	04 hrs	Online	
Aluminum Welding	13 <sup>th</sup> - 14 <sup>th</sup> Dec 21	06 hrs	Online	
Vehicle Dynamics & Control	14 <sup>th</sup> – 16 <sup>th</sup> Dec 21	09 hrs	Online	

National Road Safety Month Awareness Programs   17th Dec 21   10 hrs   Online   ACMA, ASDC, SIAM   Reality   Acman   Acman   Association   A				•				
Automotive Aerodynamics	Road Safety Awareness Programs	17 <sup>th</sup> Dec 21	02 hrs	Online				
Automotive Restory Fechnology  Automotive Casting Technology  Automotive Testing & Certification  Automotive Propulsion including EV Motors  12th - 13th Jan 22	Metallurgy for Non-metallurgist	20 <sup>th</sup> -21 <sup>st</sup> Dec 21	10 hrs	Online	ASM			
Automotive Testing & Certification	Automotive Aerodynamics	28 <sup>th</sup> – 29 <sup>th</sup> Dec 21	06 hrs	Online				
Forging Technology 10 <sup>th</sup> - 11 <sup>th</sup> Jan 22 10 hrs Online Automotive Propulsion including EV Motors 12 <sup>th</sup> - 13 <sup>th</sup> Jan 22 06 hrs Online National Road Safety Month Awareness Programs 14 <sup>th</sup> Jan 22 02 hrs Online AcMA, ASDC, SIAM & AICTE Automotive Design & Styling 24 <sup>th</sup> - 25 <sup>th</sup> Jan 22 06 hrs Online AcMA, ASDC, SIAM & AICTE Automotive Design & Styling 24 <sup>th</sup> - 25 <sup>th</sup> Jan 22 06 hrs Online AcMA, ASDC, SIAM & AICTE Automotive Design & Styling 24 <sup>th</sup> - 25 <sup>th</sup> Jan 22 06 hrs Online AcMA, ASDC, SIAM & AICTE Automotive Design & Styling AcMA, ASDC, SIAM Automotive Steeps AcMA, ASDC, SIAM Automotive Safety Month Awareness Programs AcMA, ASDC, SIAM Automotive Safety AcMA, ASDC, SIAM Automotive Manufacturing AcMA, ASDC, SIAM Automotive Manufacturing To be decided Design AcMA, ASDC, SIAM Automotive Manufacturing To be decided Ob Shrs Online AVIL Professional Development of Drivers To be decided Ob Shrs Online AVIL Professional Development of Drivers To be decided Ob AcMA, ASI ID Automotive Protocols To be decided Ob Ob Ins Online APTIV Automotive Protocols To be decided Ob Ob Ins Online Aptiv	Automotive Casting Technology	30 <sup>th</sup> -31 <sup>st</sup> Dec 21	10 hrs	Online	ASM			
National Road Safety Month Awareness Programs  Altomotive Propulsion including EV Motors  14th Jan 22	Automotive Testing & Certification	4 <sup>th</sup> -6 <sup>th</sup> Jan 22	09 hrs	Online				
National Road Safety Month Awareness Programs 14th Jan 22 02 hrs Online ACMA, ASDC, SIAM & AICTE  Automotive Design & Styling 24th - 25th Jan 22 06 hrs Online EV Performance Characteristics & Simulation 27th - 28th Jan 22 06 hrs Online EV Performance Characteristics & Simulation 27th - 28th Jan 22 06 hrs Online EV Performance Characteristics & Simulation 27th - 28th Jan 22 06 hrs Online ACMA, ASDC, SIAM & AICTE Advances in Plastic Moulding 7th Feb 22 06 hrs Online EV Performance The fuel (Blended) 8th - 9th Feb 22 06 hrs Online EV Programs ACMA, ASDC, SIAM & AICTE EV Performance The fuel (Blended) 8th - 9th Feb 22 06 hrs Online EV Programs ACMA, ASDC, SIAM & AICTE EV P	Forging Technology	10 <sup>th</sup> – 11 <sup>th</sup> Jan 22	10 hrs	Online				
Real Driving Emissions (Blended)  Automotive Design & Styling  EV Performance Characteristics & Simulation  National Road Safety Month Awareness Programs  EV Performance Characteristics & Simulation  National Road Safety Month Awareness Programs  Advances in Plastic Moulding  Hydrogen: future of the fuel (Blended)  Performance Characteristics & Simulation  The Ed 22  O6 hrs  Online  ACMA, ASDC, SIAM & AICTE  Advances in Plastic Moulding  The Ed 22  O6 hrs  Online  ACMA, ASDC, SIAM & AICTE  Active Simulation  National Road Safety Month Awareness Programs  In the Limit Simulation of the fuel (Blended)  Performance Characteristics & Simulation  The Ed 22  O6 hrs  Online  IESA  Office Of hrs  Online  ACMA, ASDC, SIAM & AICTE  Active Siam And Safety Month Awareness Programs  In the Lambard Safety Of hrs  Online  IESA  Office Of hrs  Online  ACMA, ASDC, SIAM & AICTE  Of hrs  Online  IESA  Active Siam And Safety Month Awareness Programs  In the Lambard Safety Of hrs  Online  IESA  Active Siam And Safety Month Awareness Programs  In the Lambard Safety Of hrs  Online  Active Safety  Office Of hrs  Online  Active Siam And Safety  Office Of hrs  Online  Active Siam And Safety  Active Safety  Office Of hrs  Online  Active Siam And Safety  Active Safety  Office Of hrs  Online  IESA  Active Safety  Office Of hrs  Online  Active Safety  Office Of hrs  Online	Automotive Propulsion including EV Motors	12 <sup>th</sup> – 13 <sup>th</sup> Jan 22	06 hrs	Online				
Real Driving Emissions (Blended)  Automotive Design & Styling  24th - 25th Jan 22	National Road Safety Month Awareness Programs	14 <sup>th</sup> Jan 22	02 hrs	Online				
EV Performance Characteristics & Simulation  27th - 28th Jan 22  06 hrs  Online  National Road Safety Month Awareness Programs  Advances in Plastic Moulding  Hydrogen: future of the fuel (Blended)  Vehicle Energy Ecosystem  10th - 11th Feb 22  06 hrs  Online  Global eMobility Overview, future challenges & Opportunities  Off Road Vehicles (specialization in tractor)  National Road Safety Month Awareness Programs  Advance send Feb 22  06 hrs  Online  IESA  Off Road Vehicles (specialization in tractor)  23td - 24th Feb 22  06 hrs  Online  IESA  Online  ACMA, ASDC, SIAM & AICTE  Op hrs  Online  IESA  Off Road Vehicles (specialization in tractor)  23td - 24th Feb 22  06 hrs  Online  ACMA, ASDC, SIAM & AICTE  Op hrs  Online  Electric Vehicles Batteries and Energy Storage Systems  Op hrs  Online  IESA  Advance technology in 2W and 3W  17th - 18th Mar 22  06 hrs  Online  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPS) TO BE PLANNED  Automotive Manufacturing  To be decided  10 hrs  ARAI FID  ASM  Thermodynamic Simulation for Powertrain  To be decided  01 ARAI FID  In-Vehicle Infotainment  Automotive Protocols  To be decided  01 Online  Clean Energy and Clean Powertrain Technologies-an India Perspective	Real Driving Emissions (Blended)	18 <sup>th</sup> – 19 <sup>th</sup> Jan 22	06 hrs	Online	G.7.1.0.12			
National Road Safety Month Awareness Programs  Ablance Energy Ecosystem  10th - 11th Feb 22  06 hrs  Online  15th - 17th Feb 22  06 hrs  Online  1ESA  15th - 17th Feb 22  06 hrs  Online  1ESA  15th - 17th Feb 22  06 hrs  Online  1ESA  Off Road Vehicles (specialization in tractor)  National Road Safety Month Awareness Programs  15th - 17th Feb 22  06 hrs  Online  1ESA  Off Road Vehicles (specialization in tractor)  National Road Safety Month Awareness Programs  15th - 17th Feb 22  06 hrs  Online  1ESA  Off Road Vehicles (specialization in tractor)  23th - 24th Feb 22  06 hrs  Online  ACMA, ASDC, SIAM & AICTE  Online  1ESA  National Road Safety Month Awareness Programs  25th Feb 22  06 hrs  Online  ACMA, ASDC, SIAM & AICTE  Online  1sth - 10th Mar 22  06 hrs  Online  1ESA  Advance technology in 2W and 3W  17th - 18th Mar 22  06 hrs  Online  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPS) TO BE PLANNED  Automotive Manufacturing  To be decided  10 hrs  ARAI FID  ASM  Thermodynamic Simulation for Powertrain  To be decided  01 ARAI FID  In-Vehicle Infotainment  To be decided  01 Online  APTIV  Automotive Protocols  To be decided  01 Online  Online	Automotive Design & Styling	24 <sup>th</sup> - 25 <sup>th</sup> Jan 22	06 hrs	Online				
Advances in Plastic Moulding  7th Feb 22  06 hrs  Online  Hydrogen: future of the fuel (Blended)  7th Feb 22  06 hrs  Online  Vehicle Energy Ecosystem  10th - 11th Feb 22  06 hrs  Online  Global eMobility Overview, future challenges & Opportunities  Off Road Vehicles (specialization in tractor)  National Road Safety Month Awareness Programs  Automotive Safety  Electric Vehicles Batteries and Energy Storage Systems  Advance technology in 2W and 3W  To be decided  To be decided  Online  ACMA, ASDC, SIAM Online  RESA  Online  ACMA, ASDC, SIAM & AICTE  AUtomotive Safety  Online  IESA  Advance technology in 2W and 3W  To be decided  On hrs  Online  ARAI FID  ACMA ASDC, SIAM Online  IESA  Altomotive Manufacturing  To be decided  On hrs  Online  ARAI FID  AVL  Professional Development of Drivers  To be decided  On hrs  Online  APTIV  Automotive Protocols  To be decided  On line  APTIV  Automotive Protocols  To be decided  On line  Online	EV Performance Characteristics & Simulation	27 <sup>th</sup> -28 <sup>th</sup> Jan 22	06 hrs	Online				
Advances in Plastic Moulding       7th Feb 22       06 hrs       Online         Hydrogen: future of the fuel (Blended)       8th – 9th Feb 22       06 hrs       Online         Vehicle Energy Ecosystem       10th – 11th Feb 22       06 hrs       Online         Global eMobility Overview, future challenges & Opportunities       15th – 17th Feb 22       09 hrs       Online         Off Road Vehicles (specialization in tractor)       23td – 24th Feb 22       06 hrs       Online         National Road Safety Month Awareness Programs       25th Feb 22       01       Online         Automotive Safety       1st – 2nd Mar 22       06 hrs       Online         Electric Vehicles Batteries and Energy Storage Systems       8th – 10th Mar 22       09 hrs       Online         Advance technology in 2W and 3W       17th – 18th Mar 22       06 hrs       Online         PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED         Automotive Manufacturing       To be decided       10 hrs       ARAI FID       ASM         Thermodynamic Simulation for Powertrain       To be decided       01       ARAI FID       AVL         Professional Development of Drivers       To be decided       01       Online       APTIV         In-Vehicle Infotainment       To be decided       01       Online	National Road Safety Month Awareness Programs	4 <sup>th</sup> Feb 22	02 hrs	Online				
Hydrogen: future of the fuel (Blended)  Vehicle Energy Ecosystem  10th - 11th Feb 22 06 hrs Online  Global eMobility Overview, future challenges & Opportunities  Off Road Vehicles (specialization in tractor)  23rd - 24th Feb 22 06 hrs Online  National Road Safety Month Awareness Programs  Attendary Safety  Automotive Safety  Advance technology in 2W and 3W  Trith - 18th Mar 22  Automotive Manufacturing  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPS) TO BE PLANNED  Automotive Manufacturing  To be decided 10 hrs ARAI FID ASM Thermodynamic Simulation for Powertrain  To be decided 10 ARAI FID In-Vehicle Infotainment  Automotive Protocols  To be decided 10 Online  APTIV  Automotive Protocols  To be decided 10 Online  APTIV  Automotive Protocols  To be decided 10 Online  Online  APTIV  Automotive Protocols  To be decided 10 Online  APTIV	Advances in Plastic Moulding	7 <sup>th</sup> Feb 22	06 hrs	Online				
Vehicle Energy Ecosystem  Global eMobility Overview, future challenges & Opportunities  Off Road Vehicles (specialization in tractor)  National Road Safety Month Awareness Programs  Automotive Safety  Electric Vehicles Batteries and Energy Storage Systems  Advance technology in 2W and 3W  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing  To be decided  To be decided  To be decided  Online  ACMA, ASDC, SIAM & AICTE  Online  IESA  Online  IESA  Online  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing  To be decided  Of hrs  Online  AVL  Professional Development of Drivers  To be decided  Of ARAI FID  In-Vehicle Infotainment  To be decided  Of Online  APTIV  Automotive Protocols  To be decided  Of Online  Clean Energy and Clean Powertrain Technologies-an India Perspective	Hydrogen: future of the fuel (Blended)	8 <sup>th</sup> – 9 <sup>th</sup> Feb 22	06 hrs	Online				
Opportunities  Off Road Vehicles (specialization in tractor)  23rd - 24th Feb 22  Of hrs  Online  National Road Safety Month Awareness Programs  Automotive Safety  Online  Electric Vehicles Batteries and Energy Storage Systems  Advance technology in 2W and 3W  To be decided  To be decided  Of hrs  Online  IESA  Online  IESA  Online  IESA  Online  IESA  ACMA, ASDC, SIAM & AICTE  Of hrs  Online  IESA  Online  Online  Online  Online  IESA  Online  IESA  Online  IESA  Online  IESA  Online	Vehicle Energy Ecosystem	10 <sup>th</sup> – 11 <sup>th</sup> Feb 22	06 hrs	Online				
National Road Safety Month Awareness Programs  25 <sup>th</sup> Feb 22 01 Online ACMA, ASDC, SIAM & AICTE  1st - 2nd Mar 22 06 hrs Online Electric Vehicles Batteries and Energy Storage Systems  National Road Safety  1st - 2nd Mar 22 06 hrs Online  1ESA  17 <sup>th</sup> - 18 <sup>th</sup> Mar 22 06 hrs Online  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing To be decided 10 hrs ARAI FID ASM Thermodynamic Simulation for Powertrain To be decided 06 hrs Online AVL  Professional Development of Drivers To be decided 01 ARAI FID In-Vehicle Infotainment To be decided 01 Online APTIV  Automotive Protocols To be decided 01 Online Clean Energy and Clean Powertrain Technologies-an India Perspective	•	15 <sup>th</sup> – 17 <sup>th</sup> Feb 22	09 hrs	Online	IESA			
Automotive Safety  Electric Vehicles Batteries and Energy Storage Systems  8th - 10th Mar 22 09 hrs Online  IESA  Advance technology in 2W and 3W  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing To be decided To hrs Online  Professional Development of Drivers To be decided O1 ARAI FID In-Vehicle Infotainment Automotive Protocols Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided O1 Online AICTE  8 AICTE 8 AICTE  8 AICTE  8 AICTE  8 AICTE  06 hrs Online  IESA Online  IESA  Online  APAI FID ASM  ARAI FID ASM  Online AVL  O6 hrs Online AVL  O7 be decided O1 Online O7 Online	Off Road Vehicles (specialization in tractor)	23 <sup>rd</sup> - 24 <sup>th</sup> Feb 22	06 hrs	Online				
Electric Vehicles Batteries and Energy Storage Systems  Advance technology in 2W and 3W  17 <sup>th</sup> – 18 <sup>th</sup> Mar 22  09 hrs  Online  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing  To be decided  10 hrs  ARAI FID  AVL  Professional Development of Drivers  To be decided  01  ARAI FID  In-Vehicle Infotainment  Automotive Protocols  Clean Energy and Clean Powertrain Technologies-an India Perspective  Automotive Safety  09 hrs  Online  IESA  Online  ARAI FID  ASM  To be decided  10 hrs  ARAI FID  Online  APTIV  Online  Online  Online	National Road Safety Month Awareness Programs	25 <sup>th</sup> Feb 22	01	Online				
Advance technology in 2W and 3W  PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing  To be decided	Automotive Safety	1 <sup>st</sup> – 2 <sup>nd</sup> Mar 22	06 hrs	Online				
PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED  Automotive Manufacturing To be decided 10 hrs ARAI FID ASM  Thermodynamic Simulation for Powertrain To be decided 06 hrs Online AVL  Professional Development of Drivers To be decided 01 ARAI FID  In-Vehicle Infotainment To be decided 01 Online APTIV  Automotive Protocols To be decided 01 Online Clean Energy and Clean Powertrain Technologies-an India Perspective		8 <sup>th</sup> – 10 <sup>th</sup> Mar 22	09 hrs	Online	IESA			
Automotive Manufacturing To be decided 10 hrs ARAI FID ASM Thermodynamic Simulation for Powertrain To be decided 06 hrs Online AVL Professional Development of Drivers To be decided 01 ARAI FID In-Vehicle Infotainment To be decided 01 Online APTIV Automotive Protocols To be decided 01 Online Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided 01 Online	Advance technology in 2W and 3W	17 <sup>th</sup> – 18 <sup>th</sup> Mar 22	06 hrs	Online				
Thermodynamic Simulation for Powertrain  To be decided  O6 hrs  Online  AVL  Professional Development of Drivers  In-Vehicle Infotainment  To be decided  O1  Online  APTIV  Automotive Protocols  Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided  O1  Online  Online	PROFICIENCY IMPROVEMENT	PROFICIENCY IMPROVEMENT PROGRAMMES (PIPs) TO BE PLANNED						
Thermodynamic Simulation for Powertrain  To be decided  06 hrs  Online  AVL  Professional Development of Drivers  To be decided  01 ARAI FID  In-Vehicle Infotainment  To be decided  01 Online  APTIV  Automotive Protocols  Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided  01 Online  Online	Automotive Manufacturing	To be decided	10 hrs	ARAI FID	ASM			
In-Vehicle Infotainment  To be decided  O1  Online  APTIV  Automotive Protocols  Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided  O1  Online  Online  Online	Thermodynamic Simulation for Powertrain	To be decided	06 hrs	Online	AVL			
Automotive Protocols  Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided  O1  Online  O1  Online	Professional Development of Drivers	To be decided	01	ARAI FID				
Clean Energy and Clean Powertrain Technologies-an India Perspective  To be decided  Online	In-Vehicle Infotainment	To be decided	01	Online	APTIV			
India Perspective	Automotive Protocols	To be decided	01	Online				
Polymer and Composite Materials To be decided 10 hrs ARAI FID ASM		To be decided	01	Online				
	Polymer and Composite Materials	To be decided	10 hrs	ARAI FID	ASM			

Engine Design & Development	To be decided	09 hrs	Online	
Electric Vehicle Charging Infrastructure & Battery Swapping	To be decided	09 hrs	Online	IESA
Alternative Fuel	To be decided	09 hrs	Online	
Battery Diagnostic Software & IoT for EV	To be decided	09 hrs	Online	IESA
Hybrid Electric Vehicles (Blended)	To be decided 09 hrs		Online	
Electric Motor Performance Characteristics using CAE	To be decided	03 hrs	Online	
Computer Vision for ADAS Systems	To be decided 09 hrs		Online	Ansys
Engine Electronics & Management System (Blended)	To be decided	6 hrs	Online	
Battery Management System of Electric Vehicle	To be decided	09 hrs	Online	
Conference on Fuel Cell Technology	To be decided	10 hrs	Online	
Engine Emission & Control (blended)	To be decided	08 hrs	Online	ECMA
Particulate Filter (Blended)	To be decided	04 hrs	Online	
Bus & Coach Fire Safety	To be decided	03 hrs	Online	
Pedestrian Safety	To be decided	03 hrs	Online	
Tyres	To be decided	06 hrs	Online	
Conference on Automotive Safety	To be decided	04 hrs	Online	
Child Safety	To be decided	06 hrs	Online	
Automotive Lighting	To be decided	06 hrs	Online	
Latest Trends in After Treatment Systems (blended)	To be decided	06 hrs	Online	
Failure Analysis (including Auto & Engine components)	To be decided	10 hrs	Online	ASM
INTERN	ISHIP PROGRAMMES			
Hybrid Electric Vehicle (xEV)	To be decided	One month	Online	
Advanced Automotive Technology (AAT) and Analysis Led Design (ALD)	To be decided	Three months	Online	
Automotive Test Engineer Qualification Pack (QP)				
Module 1: Foundation Course	To be decided	10		
Module 2: Engine Level Testing	To be decided	05	Online	ASDC
Module 3: Component Level Testing	To be decided	05	Online	
Module 4: Vehicles Level Testing	To be decided	05		
Final Assessment	To be decided	05		
EV Test Engineer Qualification Pack (QP)				
Module 1: Foundation Course	To be decided	10		
<ul> <li>Module 2: EV Powertrain Testing &amp; Certification</li> </ul>	To be decided	05		ASDC
Module 3: Indoor Testing of EV	To be decided	05	Online	
Module 4: Outdoor Testing of Vehicle and Charging	To be decided	05		
Final Assessment	To be decided	05		
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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			
Engine Performance & Troubleshooting	Automatic Transmission			
Welding Technology and Defects Analysis	AMT Technology			
Drive Train System & Diagnosis	EV / HEV Technology			
New Automotive Technology	Engine Technology			

e-PROFICIENCY IMPROVEMENT PROGRAMMES (ePIPs)						
Reliability Engineering	Anytime	Course access- 60 days Course time – 5 hrs.	Anywhere (Internet based)			
Engine Electronics and Management System (EEMS)	Anytime	Course access–60 days Course time – 15 hrs.	Anywhere (Internet based)	RBEI		
Fuel Cell Technology	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Real Driving Emission	Anytime	Course access- 60 days Course time – 5 hrs.	Anywhere (Internet based)			
Emission Type Approval (BS-VI): 2 Wheeled Vehicles	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Emission Type Approval (BS-VI): 3 Wheeled Vehicles	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Emission Type Approval (BS-VI): Light Duty Vehicles	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Selective Catalytic Reduction (SCR)	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Combustion in IC Engines	Anytime	Course access- 60 days Course time – 1.5 hrs.	Anywhere (Internet based)			
Emission Measurement Techniques	Anytime	Course access- 60 days Course time – 1 hr.	Anywhere (Internet based)			
HC/CO Emission Formation	Anytime	Course access- 60 days Course time – 1.5 hrs.	Anywhere (Internet based)			
NO <sub>X</sub> Emission Formation	Anytime	Course access- 60 days Course time – 1 hr.	Anywhere (Internet based)			
PM Emission Formation	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Diesel Particulate Filter	Anytime	Course access- 60 days Course time – 2 hrs.	Anywhere (Internet based)			
Hybrid Electric Vehicles Architecture	Anytime	Course access- 60 days Course time – 2.5 hrs.	Anywhere (Internet based)			

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, ARAI Academy at +91 2135-630790 /91/ 95 or +91 2135-396690/91/95 or email: <a href="mailto:patil.pga@araiindia.com">patil.pga@araiindia.com</a>; <a href="mailto:training.pga@araiindia.com">training.pga@araiindia.com</a>;

For more details, proposals & partnership please contact:

Dr. K. C. Vora, Sr. Dy. Director & Head, ARAI Academy at <a href="mailto:vora.pga@araiindia.com">vora.pga@araiindia.com</a>
Ms. M. S. Jambhale, Dy. Director at <a href="mailto:jambhale.sdl@araiindia.com">jambhale.sdl@araiindia.com</a>

**ARAI**: The Automotive Research Association of India, S.No.102, Vetal Hill, Off Paud Road, Kothrud, Pune-411 038. Ph: 020 6762 1190/93

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

Ph: 02135 630760 / 61 OR 02135 396660 / 61

Websites: www.araiindia.com & https://academy.araiindia.com

## ARAI Academy's eLearning Courses (ePIP)

### ARAI® Progress through Research

# CO OU

### Highlights:

- ✓ Latest and up-to-date content
- √ Highly interactive, engaging & effective
- √ Real-life industry examples
- √ Hands-on practice in virtual environment
- Pre and Post assessments to assess learner's knowledge
- Certificate on passing the Final Assessment

### **Benefits:**

- ✓ All online courses are flexible in nature i.e. 24 x 7 operational
- ✓ Easy to monitor learner's activity to know their course current status
- Very engaging which improves learner's knowledge absorption and retention
- ✓ Revisit topics instantly and at your own pace
- Certificate which help learner's for their career advancement

### eLearning Courses (ePIP):



Reliability Engineering Course Seat Time: 5 Hours



Engine Electronics &
Management Systems (EEMS)
Course Seat Time: 15 Hours



Fuel Cell Technology Course Seat Time: 2 Hours



Real Driving Emissions (RDE)
Course Seat Time: 5 Hours



Emission Type Approval (including BS-VI): 2 Wheeled Vehicles Course Seat Time: 2 Hours



Emission Type Approval (including BS-VI): 3 Wheeled Vehicles Course Seat Time: 2 Hours



Emission Type Approval (including BS-VI): Light Duty Vehicles Course Seat Time: 2 Hours



Selective Catalytic Reduction (SCR)
Course Seat Time: 2 Hours



Combustion in IC Engines
Course Seat Time: 1.5 Hours



Emission Measurement Techniques Course Seat Time: 1 Hour



HC/CO Emission Formation
Course Seat Time: 1.5 Hours



NO<sub>X</sub> Emission Formation Course Seat Time: 1 Hour



PM Emission Formation Course Seat Time: 2 Hours



Diesel Particulate Filter
Course Seat Time: 2 Hours



Hybrid Electric Vehicles
Architecture
Course Seat Time: 2.5 Hours

### **REGISTER NOW**



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