

2-Days Certificate Programme on

Vehicle Body Development & Safety (includes EV Platform)



Date: 09th - 10th March 2026



ARAI Academy, Chakan, Pune

SPEAKERS



Mr. Vijay Daphale
General Manager, TATA Motors



Mr. . Dhirajkumar Ladi
Manager, Chassis India, MAGNA



Mr. . Dhananjay Bhalerao
Sr. General Manager., ARAI, Pune



Mr. . Dilip Kulkarni
Sr. General Manager, ARAI Pune



Mr. . Santosh Chopade
Sr. General Manager, ARAI Pune



Mr. Yogesh Dhage
Sr. General Manager, ARAI Pune



Mr. Kishor Udawant
General Manager, ARAI Pune



Mr. . J M Paranjpe
General Manager, ARAI Pune



Mr. Sachin R. Munot
General Manager, ARAI Pune



Mr. Nilesh A. Sakle
Dy. General Manager, ARAI Pune



Mr. . Suhail M Mulla
Dy. General Manager, ARAI, Pune



Mr. Murtaza S Laila
Manager, ARAI Pune

* Additionally, speakers from ARAI & other Industries may be invited.

01 OBJECTIVES:

In today's automotive world, safety is paramount, and the vehicle body serves as the backbone of a vehicle absorbing impact forces, safeguarding passengers during accidents and providing stiffness and strength to withstand multiple load cycles. As the industry moves rapidly toward Electric and Hybrid Electric Vehicles (EV/HEV), understanding their platforms is essential for engineers and designers to stay ahead in innovation and sustainability. This program equips participants with the knowledge and skills to tackle modern challenges in vehicle body engineering, ensuring readiness for future technologies and compliance with global safety standards.

This two-day training offers a comprehensive overview of vehicle body development—from concept to launch covering crashworthiness principles, CAE techniques for BIW performance, DVP-level validation and duty cycle considerations. Participants will also explore safety regulations, virtual and experimental validation methods, and advanced EV platform development. The program concludes with an exclusive visit to ARAI's Passive Safety Laboratory for hands-on exposure to crash testing, bridging theory with real-world applications.

02 SCHEDULE OF THE PROGRAMME:

Day One: 09 th March 2026 (Monday)		
Start	End	Subject
8:30	09:30	Registration & Breakfast
09:30	10:30	Vehicle Body Development Process from Concept to Launch
10:30	11:15	Vehicle Types, Vehicle Layout, & Passenger Car Body Nomenclature
11:30	13:00	Vehicle Safety Regulation, their Design Requirements and Advanced Deceleration Sled Test
14:00	16:00	Virtual Validation of BIW Performance (Crashworthiness, CFD, and NVH & Durability)
16:00	16:30	Visit to Advanced Deceleration Sled Test Lab
16:30		Conclusion
Day Two: 10 th March 2026 (Tuesday)		
09:00	10:15	Development of ICE vehicle, EV / HEV Platform
10:15	12:00	BIW Structural Benchmarking test, MAST Testing and High Strain Testing of BIW Sheet Materials
12:00	12:45	Attributes & Aspects for DVP Level Validation of vehicle Body / Subsystems
12:45	13:30	Service Load Data Measurement & Durability Testing of Vehicle Body using experimental tools; Attributes & Aspects for DVP Level Validation of vehicle Body / Subsystems
14:30	16:00	FMCE & PSL Laboratory Visit
16:00	16:30	Feedback & Assessment

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

03 REGISTRATION CONTACT:

Phone: 02135-630795/90 or 02135-396695/90

Email: training.pga@araiindia.com ; patil.pga@araiindia.com ;

Website: <https://www.araiindia.com/services/knowledge-dissemination>

Office Address:

ARAI Academy, ARAI-FID, B-16/1, MIDC, Chakan, Mahalunge Ingale,
Maharashtra 410501

04 REGISTRATION FEES:

Registration Fees (Rs.)

(per participant) Rs.10,000 + 18 % GST = 11, 800/-

10% DISCOUNT if 5 or more delegates are registered from the same organization



For Registration

05 PAYMENT INFORMATION:

Mode of Payment: Online Transaction

ARAI Pune Account No: 04470200000280

IFSC/RTGS/NEFT Code: BARB0KARVER (0=Zero)

Note: Participants from organization in SEZ must confirm the applicability for GST before making the payment.

Who should attend:

- Automotive / Mechanical Engineers
- Researchers & Working Professionals in the Vehicle Body / BIW Design / Manufacturing / Quality Control
- Academician