

2 Days Certificate Programme on

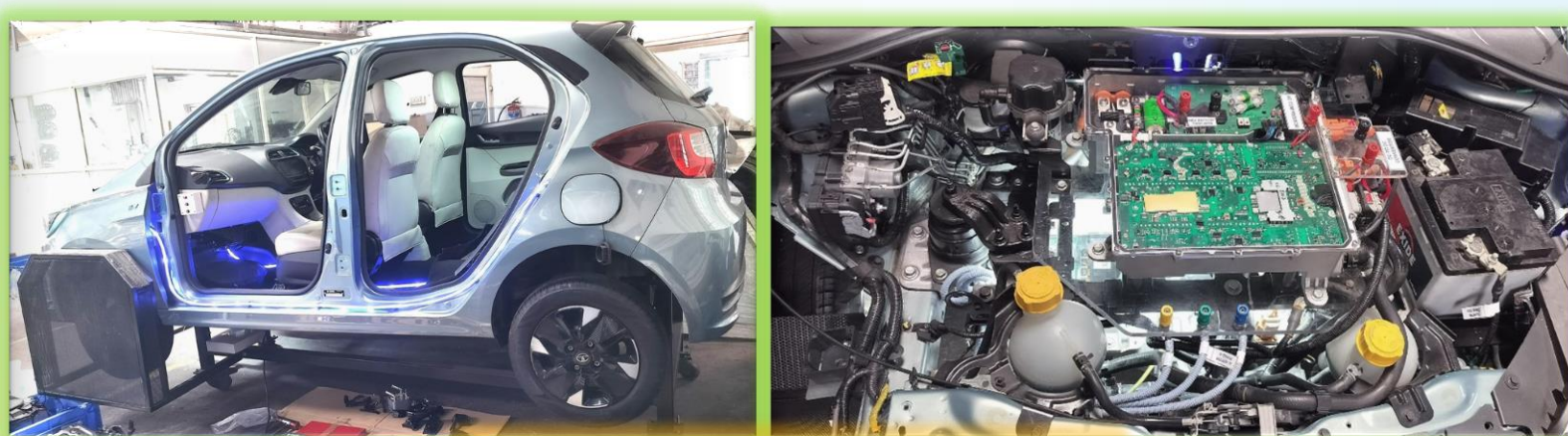
High Voltage Safety for Electric Vehicles



29th & 30th
July 2025



ARAI Academy,
Chakan, Pune



Electric Vehicle Working Model

SPEAKERS



Dr. Sanjay A. Patil,
Sr. General Manager,
ARAI, Pune



Dr. Yogesh K. Bhateshvar
Dy. General Manager
ARAI, Pune

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

Outreach Partner

01 OBJECTIVES:

The Two days Certificate Programme on High Voltage Safety for Electric Vehicles is a focused, industry-aligned training designed to equip participants with essential knowledge and practical skills required to work safely with high voltage (HV) systems in electric and hybrid electric vehicles (xEVs). This programme covers the fundamentals of high voltage architecture, identification and function of HV components, and the critical role of HV systems in modern EV/HEV platforms. Participants will gain hands-on exposure to key safety protocols, including manual service disconnects, high voltage interlock systems and active/passive discharge mechanisms. The course also familiarizes attendees with various xEV Personal Protective Equipment (PPE) and HV-rated tools used in service and maintenance. A major highlight is the demonstration on a real high voltage cut-section electric vehicle, offering practical insight into system layout, safety zones and diagnostic considerations. By the end of the programme, participants will be well-prepared to handle high voltage systems confidently and safely, meeting the evolving demands

02 SCHEDULE OF THE PROGRAMME:

Day One: 29th July 2025

	Topics
09:00	Registration & Breakfast
09:30	Overview of EV Systems & types of EV Technology
10:30	HV Electric Motors
12:00	HV Electric Motor Drives
13:00	Lunch Break
14:00	HV Batteries & BMS
15:30	Need of High Voltage Safety Training
16:30	Conclusion

Day Two: 30th July 2025

09:30	HV System Architecture
10:30	Electrical Safety for Human Being
11:30	High Voltage Vehicle Safety Systems
12:30	Protection of Electrical Equipment
13:30	Lunch Break
14:30	Factors affecting the HV System Performance
15:30	Demo on actual High Voltage Vehicle
16:30	Feedback & Assessment Test

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/upskilling-program>

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

04 REGISTRATION FEES:

Registration Fees (Rs.)

Rs.12,000 + 18%GST = Rs. 14,160 (per participant)

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

05 PAYMENT INFORMATION:



For Registration

Mode of Payment: Online Transaction

ARAI Pune Account No:

04470200000280

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

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

***STE- Science, Technology & Engineering**

Who should attend:

- ✓ Organisation involved in R & D and Testing of Electric Vehicles
- ✓ Electric Vehicle Manufacturers
- ✓ RTO & Govt. organisations
- ✓ Engineering Students/ Professors / PhD Scholars.

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