

# 2-Day Certificate Program on High Voltage Safety for EV



**11<sup>th</sup> & 12<sup>th</sup> June 2026**  
**ARAI Academy, Chakan, Pune**

## **SPEAKERS**



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



**Dr. Yogesh K. Bhatshvar**  
Dy. General Manager  
ARAI, Pune



**Jay Chauhan**  
Research Engineer  
ARAI, Pune

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

## 1 OBJECTIVES:

ARAI, through its Academy, has arranged a Training Program on High Voltage Safety for Electric Vehicles, aimed at providing participants with a comprehensive understanding of electric vehicle (EV) systems, with a strong focus on high voltage (HV) safety, system architecture, and performance. The program familiarizes participants with various EV sub-systems such as HV electric motors, motor drives, and HV battery systems with Battery Management Systems (BMS), along with the associated risks and safety considerations. It also covers HV system architecture, component integration, energy flow, and key factors affecting system performance. Emphasis is placed on electrical safety awareness, and protective systems such as interlocks, insulation monitoring, and equipment protection mechanism. A key highlight of the program is the demonstration on an actual high voltage vehicle, providing practical exposure to system layout, safety zones, and basic diagnostic considerations. By the end of the program, participants will have enhanced their understanding of high voltage systems, safety practices, and industry-relevant approaches in electric and hybrid vehicles.

## 2 SCHEDULE OF THE PROGRAMME:

<b>Day One: 11<sup>th</sup> June 2026</b>	
	<b>Topics</b>
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
<b>Day Two: 12<sup>th</sup> June 2026</b>	
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

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

### 3 REGISTRATION CONTACT:

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

**Email:** [training.pga@araiindia.com](mailto:training.pga@araiindia.com) ; [patil.pga@araiindia.com](mailto: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

### 4 REGISTRATION FEES:

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

**10% DISCOUNT IF 5 OR MORE DELEGATES ARE REGISTERED FROM THE SAME ORGANIZATION**



### 5 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.

\*STE- Science, Technology & Engineering

**REGISTER NOW**

## Who should attend:

- Automotive engineers, technicians, and R&D professionals
- Service, maintenance, and dealership personnel working with HV EVs
- Academicians, researchers, and trainers
- Final-year and postgraduate engineering students
- Professionals looking to upskill in EV and high voltage systems

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