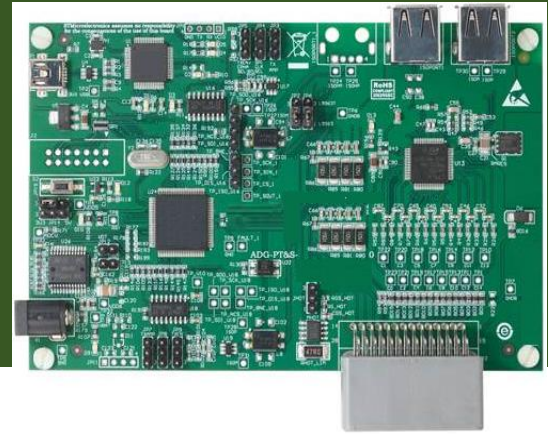
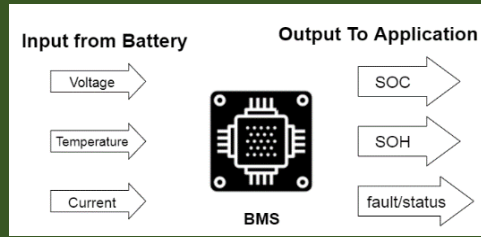
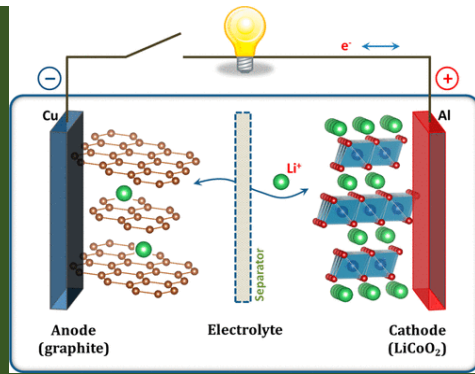


## 2 Day Proficiency Improvement Programme (PIP) on

# Battery & BMS of Electric Vehicles



Date: 16<sup>th</sup>-17<sup>th</sup> May 2024



Venue: ARAI Academy, Chakan, Pune

## SPEAKERS



**Dr. Vilas Shelke,**  
Chief Executive Officer,  
Rechargion Energy Pvt. Ltd.

**Mr. Harshad Bokill,**  
Technology Consultant,  
EVhicle Mobility Pvt. Ltd.



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

**Mr. Koustubh Shirke,**  
Senior Application Engineer,  
MathWorks.



**Mr. Kaushik Sinha,**  
Manager, Technology Group  
ARAI, Pune.

**Mr. Aatmesh Jain,**  
Deputy Manager,  
Academy, ARAI, Pune.



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

Outreach Partner

## 01 OBJECTIVES:

The objective of the training program is to equip participants with comprehensive knowledge and skills in understanding, managing and maintaining batteries and their associated management systems in electric vehicles. Battery Management System (BMS) is an intelligent electronic system that functions as central monitoring & control system of a battery pack, regulating its health, performance and safety. This specialization uses computer methods in specialized electronics to prioritize user and battery safety while maximizing both performance and lifespan. ARAI Academy invites you to understand about Battery and Battery Management System along with Industry Experts.

## 02 SCHEDULE OF THE PROGRAMME:

Day 1: 16 <sup>th</sup> May 2024 (Thursday)		
Start	End	Subject
08:30	09:30	Registration & Breakfast
9:30	11:30	Introduction to Electric Vehicle Battery
11:30	12:30	Basics and applications of BMS
12.30	13.00	Demo on BMS trainer
13:00	13:45	Lunch Break
13:45	15:00	BMS Design Challenges -Hardware Perspective
15:00	16:30	Battery Thermal Management
16:30		Conclusion
Day 2: 17 <sup>th</sup> May 2024 (Friday)		
9:00	10:30	Battery Safety Considerations in EV
10:30	12:00	Role AI Algorithms in BMS
12:00	13:00	BMS Control Challenges
13:00	14:00	Lunch break
14:00	15:30	Application Demonstration on BMS Software Validation using Cell Level HIL
15:30	16:15	Alternate Battery Chemistry for EV
16:15	16:30	Online Feedback & Assessment Test

### 03 REGISTRATION CONTACT:

**Contact Person:** Mr. P. A. Diwanji

**Phone:** 02135-630795/93/90 or  
02135-396695/93/90

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

**Website:** [www.araiindia.com](http://www.araiindia.com); [academy.araiindia.com](http://academy.araiindia.com)

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

### 04 REGISTRATION FEES:

#### Registration Fees (Rs.)

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

Limited seats for Faculty/Student with a special discount.



For Registration

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

### 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.

\*STE- Science, Technology & Engineering

### Who should attend:

- Organization involved in R & D, Testing.
- Battery Management System Engineers
- Electric Vehicle/Battery/Electronic Component Manufactures
- Start-ups working in the field of EV.
- Engineering Students/ Professors / PhD Scholars

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