



Overview:

Power up your EV expertise with this dynamic module on electric vehicle batteries. Journey through the evolution of battery technology, from early electrochemical cells to today's high-performance power packs. Get hands-on with EV battery architecture, explore cell formats like cylindrical, prismatic, and pouch, and uncover how each impacts energy density, safety, and performance. Dive into key chemistries driving EV innovation, and master the role of Battery Management Systems (BMS) and Battery Thermal Management Systems (BTMS) in maximizing safety, lifespan, and efficiency. Ideal for engineers and EV professionals looking to lead in battery tech and sustainable transport solutions. ARAI Academy presents a **comprehensive eLearning Proficiency Improvement Program (e-PIP) on "EV Propulsion Unit"** for students, faculty and working professionals.

On completing this course successfully, learner will get a certificate.

ePIP Highlights:

- Latest and up-to-date content
- Highly interactive, engaging and effective
- Real-life industry examples
- Assessments to assess learner's knowledge
- Certificate on passing the Final Assessment

Course Cost (INR):

- **Student:** Rs. 1250 + 18% GST = Rs. 1475
- **Faculty:** Rs. 2500 + 18% GST = Rs. 2950
- **Corporate Individual:** Rs. 5000 + 18% GST = Rs. 5900

Major Course Content:

- History of Battery Technology
- EV Battery Pack Architecture
- Battery Cell Form Factors
- Battery Chemistry Selection
- Battery Management Systems (BMS)
- Battery Thermal Management Systems (BTMS)
- Battery Assessment and Selection



Course Seat Time:
 2.5 hours



Course Validity:
 60 days