



Major Course Content:

- Introduction of EV & HEV
- Evolution of EV & HEV
- Global & Indian Perspective
- FAME India Scheme
- Fundamentals of Electric Vehicle
- EV & HEV Architecture
- Powertrain Configurations
- EV Performance
- Powertrain Design
- Energy System Sizing
- Future Trends

Overview:

This future-focused course offers a comprehensive exploration of Electric and Hybrid Vehicles (EVs and HEVs) across five in-depth modules. Learn about the evolution of electric mobility, global and Indian market trends, and EV policies. Gain foundational knowledge of EV working principles, components, vehicle layout, and lifecycle assessment through Well-to-Wheel analysis. Dive into vehicle architecture, classifications, power transmission, and performance impact. Master EV performance design with traction power, energy efficiency, motor and battery sizing, and range calculations. Finally, explore modern automotive engineering including chassis design, lightweight materials, crash protection, safety features, and future trends—empowering you to lead in sustainable mobility. ARAI Academy presents a **comprehensive eLearning Proficiency Improvement Program (e-PIP) on “Fundamentals of EV and HEV Technology”** 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



Course Seat Time:
2.5 hours



Course Validity:
60 days

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