



Major Course Content:

- Electric Motor Types & Principles
- Motor Evolution & Applications
- Motor Selection & Design Challenges
- Regenerative Braking Systems (RBS)
- Electric Drive Control Strategies
- Motor Integration in EV Architectures
- Cooling & Mechanical Integration
- Advanced Integration Concepts

Overview:

Unlock next-gen mobility with this expert-led course on Electric and Hybrid Vehicle (EV/HEV) technologies. Spanning five structured modules, master electric motor types and working principles, regenerative braking systems, and cutting-edge innovations like SRMs and axial flux motors. Delve into advanced electric drive control strategies and the seamless integration of motors into vehicle systems. With real-world examples and a focus on challenges like efficiency, control, and thermal management, this course equips you to evaluate, innovate, and drive the future of sustainable mobility. Perfect for engineers and EV enthusiasts ready to lead the electrification wave. 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



Course Seat Time:
2.5 hours



Course Validity:
60 days

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