



**NITTTR
BHOPAL**

NC-16/2024-2025

Accelerating through Electric Mobility: EV Technology

20-01-2025 to 24-01-2025

GEC, Gandhinagar



<https://erp.nitttrbpl.ac.in/poc2024/?id=regNC-16>

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Rationale

With the global shift towards sustainable transportation, the demand for electric vehicles (EVs) is rapidly increasing. However, there is a significant shortage of skilled professionals in the field of EV technology. This training program aims to bridge this gap by equipping participants with the necessary knowledge and skills to contribute effectively to the electric mobility sector. Electric mobility offers numerous environmental benefits, including reduced greenhouse gas emissions and air pollution. By training individuals in EV technology, we contribute to the development and proliferation of sustainable transportation solutions, aligning with global efforts to combat climate change and promote sustainable development.

The transition to electric mobility presents significant economic opportunities, including job

Programme Outcomes

1. Design and integrate EV System.
2. Operate EV Systems and Tools
3. Ensure EV Safety and Regulatory Standards
4. Apply Sustainable Practices in EV Development
5. Adapt to Emerging EV Technologies
6. Guide for Career Opportunities in the EV Industry

Programme Content

Introduction to Electric Mobility
Fundamentals of Electric Powertrains
Battery Technology and Energy Storage Systems
EV System Architecture and Integration
Electric Vehicle Design and Manufacturing
EV Charging Infrastructure and Grid Integration

Target Group

Faculty of all disciplines

Coordinator & Co-Faculty

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Expert



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An Online Training Portal of NITTTR Bhopal
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