

Course Name - Fundamentals of Electric vehicles: Technology & Economics

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Institute Name - IIT Madras

Course Syllabus -

The key topics that are going to be discussed in this course are –

1. Overview of Electric Vehicles in India
2. Vehicle Dynamics
3. Vehicle Subsystems: EV Power-train
 - 3.1 Storage for EVs
 - 3.2 Fundamentals of EV Battery Pack design
 - 3.3 EV Motors and Controllers: Fundamentals and Design
- 4 Vehicle Accessories
- 5 Battery Charging and Swapping
6. Management of EV Infrastructure