



# GOODWIN SKILL INDIA

(A Govt Authorised Skill Development Centre)  
Skill Training Partner – BMW SKILLNEXT initiative



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## **ELECTRIC VEHICLE, PASSENGER CARS & ENGINES (5 DAY MODULE)**

Eligibility: Participants: B.E MECH / AUTO/ EEE / ECE

Duration of Training: 5 days

Venue: Goodwin Skill India, Mannivakkam, Near Vandalur, Chennai - 600048

### **Agenda:**

Sr.No	Duration	Subject	Training Methodology
Day 1	08.00 13.00 Hrs	Registration & Introduction Overview of Electric vehicle Parts and functions Electric Bike Assembly from scratch	Hands on Training
Day 2	08.00 13.00 Hrs	Electric Bike Assembly from scratch contd.... BLDC Motor, Lithium Ion Battery, Battery Management system Display system – Vehicle speed, Battery health, Touch system, All function mobile control, Automatic steering lock	Hands on Training
Day 3	08.00 13.00 Hrs	Passenger car engine technology Disassembly practice of FORD engine Explanation of systems – Petrol engines – Diesel engines – Firing order, MPFI, Car AC system, Advanced systems – CRDi, SCR, ACT,Twin turbo, GDI, EGR, Intercooler -	Hands on Training
Day 4	08.00 13.00 Hrs	Explanation of systems contd..... Assembly Practice of FORD engine	Hands on Training
Day 5	08.00 to 13.00 Hrs	Motor cycle engine technology Disassembly practice of BAJAJ PULSAR engine Explanation of working mechanism Assembly practice of BAJAJ PULSAR engine	Hands on Training