



Electric Vehicle Training System

Nvis 438



Nvis 438 Electric Vehicle Training System India unveiled 'National Electric Mobility Mission Plan (NEMMP) 2020' in 2013 to address the issues of National energy security, vehicular pollution and growth of domestic manufacturing capabilities. The Government of India is having a plan to make a major shift to electric vehicles by 2030. To enhance the effect of NEMMP country will need lot of Electric Vehicle Engineers and Technicians. To support NEMMP Mission Nvis has developed E-Vehicle Training system to provide technical manpower to the country. Student can learn all about E-Vehicle with the help of this training solution.

Features

- Real time and interactive training setup
- Provided with operational block diagram of E-Vehicle for better understanding
- Provided with all the sensors and its functionality
- Provided with meters for analysis

Scope of Learning

- Study the N-T (Speed -Torque) characteristic of BLDC Motor.
- Study the different Sensors of EV
- Study of working of BLDC motor and Hall sensor with real time waveform analysis
- Study of running, reversing & braking of BLDC motor.
- Study of speed control of BLDC motor using PWM method

Technical Specifications

BLDC Motor

Type of Motor	:	Hub motor
Rated Voltage	:	36V
Power	:	250W
RPM	:	200 RPM approx. (on full load)

Battery

Type of battery	:	Li-ion battery
Capacity	:	10 AH
Voltage	:	36V

Meters

- AC Voltmeter
- AC Ammeter
- DC Voltmeter
- DC Ammeter
- RPM meter

Package contains

Key switch, Head light, Tail light, Brake, Horn and Battery level indicator

Designed & Manufactured in India by

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