



Electric Vehicle Training System is an ideal platform to enhance the knowledge about electric vehicles. This product is useful in all electrical and electric vehicle laboratories to provide comprehensive learning of concepts and functioning of two wheeler based Electric Vehicles (EV). It is designed in such a way that-students can explore about different sections of two wheeler EV and can operate it to learn its functioning. This is useful for understanding the trouble shooting of EV also.

Features

- 01 Real time and interactive training setup
- 02 Provided with operational block diagram of E-Vehicle for better understanding
- 03 Provided with sensors and its functionality
- 04 Provided with meters for measurement analysis

Experiments

- 01 Study the N-T (Speed -Torque) characteristic of BLDC Motor.
- 02 Study of Different Sensors of EV
- 03 Study of working of BLDC motor and Hall sensor.
- 04 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)

Note: Specifications are subject to change.

Battery

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

Meters

- AC Voltmeter
 AC Ammeter
 DC Voltmeter
 DC Ammeter
 RPM meter

Setup consists of contains

- Key switch
 Head light
 Tail light
 Brake
 Battery level indicator