Nvis 438 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 leaning 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

- Real time and interactive training setup

- Provided with operational block diagram of E-Vehicle for better understanding

- Provided with sensors and its functionality

- Provided with meters for measurement analysis

Scope of Learning

- Study the N-T (Speed -Torque) characteristic of BLDC Motor.

- Study of Different Sensors of EV

- Study of working of BLDC motor and Hall sensor.

- 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

Setup consists of contains

- Key switch
- Head light
- Tail light
- Brake
- Battery level indicator