Industry Certified

Centre of Excellence in e-Mobility

Internship Modules for Engineering students

M1.Super capacitors – Futuristic energy storage devices for e-vehicles
M2.Battery Management System (BMS): Active and Passive Cell Balancing, State-of-Charge Estimation
M3.Power Converters for Charging station
M4.Design and Simulation of Synchronous Reluctance Motor for Traction Application
M5.EMI EMC Issues in Electric Vehicles
M6.FPGA implementation of communication protocols for E-vehicles
M7.Simulation of basic E-vehicle model using MatLab Simulink
M8.Develop & Simulation of Communication protocols in Electric Vehicles using LabVIEW / Matlab Simulink / NS2
M9.Simulation of Advanced driving assistance system (ADAS) using wireless sensors in Electric Vehicles M10.IoT based battery monitoring system
M11.A Smart System to avoid congestion at the Charging Pool
M12.Reimagining the vehicle parking spaces to suit solar charging
M13.Design and Analysis of e-Vehicle Dynamic System Model
M14.Design of Thermal Management system for Batteries in e-Vehicles
M15.Electricity generation system from a renewable energy source for a self-sustained Fuel Cell Vehicle (Floating PV solar power stations)
M16.Renewable energy powered electrolyzer system to generate hydrogen gas for a self-sustained Fuel Cell Vehicle
M17.Development of a simple fuel cell system powered by an electrolyzer
M18.Integration of a self-sustained fuel cell with an indigenous vehicle
M19.Design of Eco friendly Metal air Battery Technology for sustainable e-mobility systems
M20.Design and simulation of Motor controller for e-Vehicles
M21.A Business Process Model for the Reverse Logistics of Used Electric Vehicle Batteries
M22.Cost-effective supply chain for electric vehicle battery remanufacturing
M23.Digital Closed Loop Supply Chain Network Design for Electric Vehicles
M24.Market segmentation of electric two wheelers in Indian context
M25.Comparative study of charging infrastructure in India and rest of the world

For Further Information Contact:

Dr. Dinesh M N Associate Professor,
Electrical and Electronics Engineering
Email ID: dineshmn@rvce.edu.in
Mob: 9845063663