



RV College of Engineering®

Mysore Road, RV Vidyani Ketan Post,
Bengaluru - 560059, Karnataka, India

Autonomous Institution
Affiliated to Visvesvaraya
Technological University,
Belagavi

Approved by AICTE,
New Delhi

principal@rvce.edu.in
www.rvce.edu.in
Tel: +91-80-68188110
+91-80-68188111
+91-80-68188112

DEPARTMENT ACHIEVEMENTS

7th IEEE International Conference CSITSS-2023



Centre of Excellence



RV College of Engineering®

Rashtreeya Sikshana Samithi Trust

Department of Electrical and Electronics Engineering

RV College of Engineering®, Bangalore-560059



Center of Excellence – e Mobility

Achievements



- 15 Students of UG and PG students have done Industry Internship at Ampere
- 10 Students got Full time conversion

One Week Workshops:

Topics covered: Introduction & Benefits of EVs, Opportunities and Challenges in E-Mobility, Hybrid Electric vehicles, etc

Internships:

Internships were offered to both RV Students as well as other than RV Students.
 Internships were offered for both UG and PG Students.
 Statistics of Internship offered Year wise:
 Yr: 2020- 48 Students completed Internships
 2021- 38 Students completed Internships
 2022- 02 Students completed Internships

Papers presented by Faculty Members:

Topics Covered: Futuristic energy storage devices for electric vehicles, Battery Charging Techniques for an Electric Vehicle, A comprehensive review on advanced battery technologies for E mobility, A comprehensive review on advanced battery technologies for E mobility.

Modelling and Design

BLDC motor control using FOC algorithm

Areas of Expertise

Vehicle Maintenance

- Electric Vehicle service, diagnostics and Maintenance Operations
- Full Breakdown and Benchmark analysis

Motor Control

- Electric Motor Selection and Sizing
- Principles for EV Application
- Motor Control and Power Electronics Technology for Traction Applications

Battery and BMS

- Battery packs and design challenges for Electric and Hybrid vehicle system application
- Battery Management Systems

Charging Infrastructure

- EV Charging Technology and Infrastructure
- Safety, testing Regulations and Standards

Lab & Infrastructure

Hardware and software facilities available in e-Mobility Lab



Two wheelers Assembly unit
Assembling, Disassembling, Harnessing and Fabrication of 2 wheelers



Hardware Facility
Work station, ESD benches, AutoBench Controller



Software available
Ampere software, Altair Control software, Matlab software, PSpice software, RV Cast Circuit simulation software

Center In Charge:

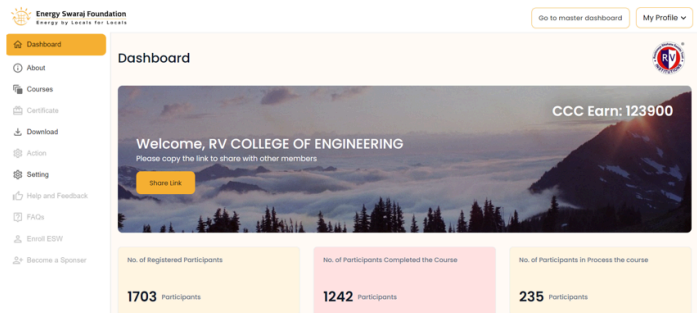
Dr. Dinesh M.N., Professor, Dept. of EEE
 Mail ID: dineshmn@rvce.edu.in, Ph No: +91-9845063663

Center for Smart Vidyuth & Sustainable Solutions

The **Center for Smart Vidyuth & Sustainable Solutions** is launched with vision for a more efficient, resilient and sustainable energy solutions that benefit people and the planet.



Urja Energy Swaraj Club



URJA Energy Swaraj Club, Department of EEE, RVCE

Skill Development Programmes under Govt. of India