


Power Electronic Converters for Electric Vehicle Systems

using MATLAB & SIMULINK

Cantonment, Ballari - 583104. www.rymec.edu.in

 **NEW AGE INNOVATION NETWORK**

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
In association with
NEW AGE INNOVATION NETWORK (NAIN)
Organizes

Three Days Student Development Program on
**“POWER ELECTRONIC CONVERTERS FOR ELECTRIC VEHICLE SYSTEMS
USING MATLAB & SIMULINK”**

RESOURCE PERSON
Mr. SHIVARAJ V S & TEAM

ABEYAANTRIX EDUSOFT

Hands-on MATLAB & Simulink Session | 16-18 March 2026 | RYMEC, Ballari

DURATION

3 Days

PARTICIPANTS

60+ Students

FUNDING

NAIN Opex

Program Overview

16–18 Mar 2026

EV Systems

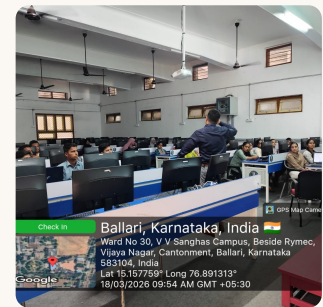
The Department of Electrical and Electronics Engineering, RYMEC Ballari, in collaboration with the New Age Innovation Network (NAIN), successfully conducted a three-day Student Development Program (SDP) titled "Power Electronic Converters for Electric Vehicle Systems using MATLAB & SIMULINK" from 16th to 18th March 2026.

Industry experts from Abeyaantrix Edusoft, led by Mr. Shivaraj V S and team, delivered in-depth knowledge on EV fundamentals, system modeling, power converters, and simulation techniques. Sessions covered EV concepts, MATLAB & Simulink tools, Simscape modeling, EV architecture, and a final-day mini project development exercise.

60+ students actively participated, benefiting from interactive hands-on sessions. Supported by NAIN Opex funding, the program concluded with distribution of participation certificates — enhancing technical competence, industry readiness, and innovative capabilities of students.

Topics Covered

- EV Fundamentals & Architecture
- MATLAB & Simulink Basics
- Physical & Electrical System Modeling
- Simscape Mathematical Modeling
- Power Electronic Converters
- Mini Project Development



Simulation Lab Sessions · Certificate Distribution · RYMEC 2026

Industry Experts

Mr. Shivaraj V S & Team | Abeyaantrix Edusoft | Supported by NAIN Opex Funding

60+ Participants | 3 Days