

About VIT

Being founded in 1984, VIT has made a mark in the field of higher education in India imparting quality education in a multi-cultural ambience, intertwined with extensive application-oriented research. VIT aims to provide quality higher education on par with International Standards. It persistently seeks and adopts innovative methods to improve the quality of higher education on a consistent basis. VIT was established by the well-known educationalist and former parliamentarian, **Dr. G. Viswanathan, Founder and Chancellor**, a visionary who has transformed VIT into a center of excellence in higher technical education. Govt. of India recognized VIT as an Institution of Eminence (IoE). ARIIA, Govt. of India recognized VIT as a No. 1 Private University for Innovation, VIT has been ranked 21st in Overall Category, 12th in Engineering Category, and 13th in university by the MHRD-NIRF Ranking 2021. VIT Chennai is a globally engaged, competitive, comprehensive and research-enriched campus strategically positioned in the capital city of Tamil Nadu, to respond to major industrial, social, economic and environmental demands and challenges. VIT Chennai is ably spearheaded by **Vice Presidents, Mr. Sankar Viswanathan, Dr. Sekar Viswanathan, Mr. G.V. Selvam, Vice Chancellor, Dr. Rambabu Kodali, and Pro Vice Chancellor, Dr. V.S. Kanchana Bhaaskaran**. They share in the mission to make VIT a global center.

The focuses are:

- To maximize the industrial connectivity
- To create Centers of Excellence in contemporary areas of research
- To enrich technological and managerial human capital nurtured in a multicultural ambience
- To provide a common platform for the agglomeration of ideas of personnel from various walks of life for learning enrichment
- To create opportunities and exploit the available resources to benefit industry/society
- To encourage participation in the National Agenda of knowledge building
- To foster international collaborations for mutual benefit in areas of research

About eVITRC:

Globally, the automotive industry is passing through a paradigm shift. The shift to electric mobility has become necessary on account of fast depletion of fossil fuels, rapid increase in energy costs, and impact of transportation on the environment and concerns of climate change. “Electric Vehicles - Incubation, Testing and Research Centre (eVIT – RC)” is one of the Research Divisions of Vellore Institute of Technology (VIT) Chennai, established in August 2020.

The Centre focuses on research and development in the key broad areas like Powertrain, Wireless charging, Battery and Battery Management Systems (BMS), Power quality analysis, Light weighting, Noise vibration and Harness analysis, Ancillaries etc.



VIT[®]

Vellore Institute of Technology

(Deemed to be University under section 3 of UGC Act, 1956)

Electric Vehicle – Incubation, Testing and Research Centre

One Day Hands-on Training on Modeling and Simulation of EV using MATLAB/Simulink



Organizers

Dr. P. Balamurugan

Dr. J.L. Febin Daya

21st January 2023

About the Workshop

The training titled “Modeling and Simulation of EV using MATLAB/Simulink” is the need of the hour in line with current trends and technology travel towards sustainable transportation and greener energy. This training deals with developing the mathematical model of an Electric Vehicle, its implementation, and model validation using MATLAB/Simulink tool. The training covers both theoretical aspects and hands-on training to the undergraduate/ post-graduate students across various engineering domains.

Sessions will be delivered by experts from Academia and Industry. The participants are expected to have basic idea about MATLAB/Simulink to facilitate better understanding upon implementation. The participants will receive study materials/course contents shared via Google Drive. The participants will receive Certificates with a valid QR-Code upon the completion.



Workshop Contents:

Forenoon:

Session-1: Introduction to Simulink Toolbox

Session-2: Introduction to EV Power Train Modeling

Session-3: Hands-on Practice using Simulation Tools

Afternoon:

Session-4: Hands-on session on EV implementation and validation using Simulink

Venue of Workshop:

AB1-607 Power System Simulation Lab

School of Electrical Engineering

Vellore Institute of Technology, Chennai

Registration Fee:

Students (UG/PG): INR 300 per participant

Target Seats: 50 (First Come First Serve Basis)

Registration fee is inclusive of GST @18%.

Registration & Payment Link:

<https://vit Chennai events.com/>

Important Dates:

Final Call for Registration: 16th January 2023

Intimation of Confirmation: 18th January 2023

Workshop: 21st January 2023

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One Day Hands-on Training on

Modeling and Simulation of EV using MATLAB/Simulink

Details of the Registration

Name of the participant:

Designation:

Organization:

Mode of Payment:

Details of Transactions:

Unique ID:

Date of Payment:

Mobile Number:

e-Mail ID for correspondence:

