

One Day Workshop on Power Converter Technologies in Electric Vehicle Applications

26 December, 2023

Sponsored By
Science and Engineering Research Board
Department of Science and Technology, Govt. of India

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Prof. Prateek Sharma
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Registrar DTU, Delhi

Convener

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Coordinator

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Organized by

CoE for EVRT
Department of Electrical Engineering
Delhi Technological University
(Formerly Delhi College of Engineering)
Bawana Road, Delhi-110042, Website: www.dtu.ac.in

ABOUT DEPARTMENT OF ELECTRICAL ENGINEERING

The Department of Electrical Engineering, DTU has significantly grown during the last eighty-two years since its inception. With the recent advances of growth in Industrial Electronics, Industrial Energy Sources and Utilization, the Department has acquired an important place in the National Capital Region of Delhi. Presently the Department runs undergraduate programme in Electrical Engineering and offers post-graduate programme in the area of Control and Instrumentation, Power Electronics and Systems and Power System Engineering, in addition to Ph.D. programme. The Department also offers a B Tech part-time programme for working professionals who hold Diploma in Electrical Engineering.

ABOUT COE FOR EVRT

The University has established a centre of excellence for Electric Vehicles and Related Technologies (CoE for EVRT) to impart training & research in thrust area of Electric Vehicles and Related Technology. The centre will help in developing an eco-system for transformation from a traditional to eco-friendly transportation system. State-of-the-art facility for training & testing will be created to carry out interdisciplinary research in Electric Vehicles and associated areas.

The Centre is jointly funded by Delhi Knowledge Development Foundation (DKDF), Govt. of NCT of Delhi, and Delhi Technological University, Delhi. CoE for EVRT focused research areas will include but are not limited to the design, development and analysis of electric vehicle motors and drives, charging station infrastructure, charge controllers, battery management systems, retrofitting, etc.

ABOUT SERB SSR

In the knowledge and technology driven economy, the demand for human resources in science and technology is increasing to the great extent. Therefore, it is imperative to build the basic for continuous supply of human resources in science and technology. The concept of Scientific Social Responsibility (SSR) needs to be inculcated to connect our leading institutions to all

stakeholders, including schools and colleges. SERB SSR policy intends to effectively utilize the R&D infrastructure and expertise of SERB grantee to benefit other S&T stakeholders and the society.

PARTICIPATION

One-day workshop on Power Converter Technologies for Electric Vehicle Applications is open to faculties of nearby AICTE/UGC recognized college/ institutions and technical universities/ deemed universities. The interested candidates are required to register using the link provided on or before **22nd December 2023**. There are no registration charges but limited seats for the workshop available. The selected participants will be communicated the workshop schedule in due course of time. The participants will not be paid TA/DA for attending the workshop. The venue for the workshop will be Department of Electrical Engineering, Delhi Technological University, Delhi, India.

RESOURCE PERSONS

The various sessions of the workshop will be covered by the faculty members of reputed academic institutions and expert from industries.

COURSE CONTENT

Renowned experts from academia and industry will be deliver expert talk on the following topics:

- ❖ Introduction to EV Charging Infrastructure
- ❖ Power Converters in EV Charging
- ❖ Fault Tolerant Power Converters for EV Charging
- ❖ Design Considerations for Fault-Tolerant Converters
- ❖ Case Studies and Practical Examples
- ❖ Integration of Renewable Energy Sources
- ❖ Q&A and Discussion

IMPORTANT DATES & REGISTRATION LINK

Start date of Registration:

11th December 2023

Last date of Registration:

22nd December 2023



Link: <https://forms.gle/jZEcTLex6B77Ju288>