

A Five Day Skill
Development Workshop
(Open Lecture Programme)
on

EV Charging
Powering the Future of Mobility

Under SERB (SSR policy)



9th February
To
13th February 2026

COORDINATOR
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About the Workshop

The proposed Five-Day Skill Development Workshop on “**EV Charging: Powering the Future of Mobility**” aims to provide participants with comprehensive knowledge and practical exposure to electric vehicle (EV) charging technologies. The programme will cover the fundamentals of EV charging systems, recent advancements in charging infrastructure, power electronics interfaces, and control strategies for efficient energy transfer.

The workshop will also focus on emerging research areas such as **wireless and dynamic EV charging systems**, system design considerations, performance evaluation, and challenges in large-scale deployment. The programme is intended to benefit undergraduate and postgraduate students, research scholars, and faculty members by enhancing their technical skills, research awareness, and understanding of sustainable mobility solutions.

Major Topics to be covered:

- 01 Introduction to EV Ecosystem & Charging Basics
- 02 EV Batteries, Charging Methods & Power
- 03 Control, Fast Charging & Smart Charging
- 04 Wireless & Emerging EV Charging Technologies
- 05 Grid Integration, Renewable Energy & Future Trends

Registration

No registration fee for participants, the number of participants is restricted to 40 on first come first serve basis.

Note: Refreshments will be provided on all days of the workshop. However, accommodation and lunch will not be provided. Participants are requested to make their own arrangements.

Eligibility

Executives, Engineers and Researchers from manufacturing, service and government organizations including R&D laboratories. Students at M.Tech/PhD levels or Faculty from reputed academic institutions and technical institutions.

Important Dates

Registration opens on 02nd February 2026.

Registration Form: Fill the Google form in the below link :

<https://forms.gle/aqSRntnrVG5LhsG17>

Last Date to Register: 7th February 2026

For any queries contact :

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About NIT Trichy

National Institute of Technology Tiruchirappalli (NIT Trichy), established in 1964 and designated an Institute of National Importance in 2003, is one of India's leading public technical institutions. Spread over an 800-acre campus in Tamil Nadu, it offers undergraduate, postgraduate, and doctoral programs across more than 20 departments. NIT Trichy consistently ranks among the top engineering institutes in India, placed 9th in Engineering in NIRF 2024, and has a strong placement record with recruiters such as Microsoft, Google, Morgan Stanley, and L&T, with B.Tech packages reaching ₹52 LPA. The institute is a major research hub with advanced laboratories, a PARAM PORUL supercomputing facility, and Centers of Excellence in power systems, AI, IoT, and sustainable energy, supported by funding from national agencies. A vibrant academic and campus environment, supported by experienced faculty, technical and cultural fests like Pragyan and Festember, and active student communities, makes NIT Trichy an ideal venue for high-impact academic and industry-oriented workshops.

About EEE Department

The Department of Electrical and Electronics Engineering at NIT Tiruchirappalli was established in 1964. It offers B.Tech., M.Tech. programs in Power Systems and Power Electronics, and research programs (M.S. and Ph.D.) across core EEE areas. Since attaining NIT status, the department has expanded in faculty, student strength, and state-of-the-art teaching and research laboratories. It is recognized for excellence in research and teaching and was the first department at NIT-T to receive QIP status for its Ph.D. program.

The faculty are committed to high-quality undergraduate and postgraduate education, with academic strength reflected in alumni holding leading positions in industry and academia in India and abroad.