

Objectives

- The workshop aims to provide participants with a comprehensive understanding of electric vehicles, charging infrastructure, and constituent technologies.
- Encourage knowledge exchange, partnerships, and collaborative initiatives for research and development to accelerate the adoption of electric vehicles and charging infrastructure.
- Discussion on current policies, regulations, and government initiatives promoting electric mobility.
- Explore the future outlook of electric vehicles, charging technologies, and the evolving landscape of sustainable transportation.

Tentative Sessions

- Recent advancement in EV Technologies.
- Recent advancement In HEV Technologies.
- Electric drive train technologies and way forward
- Power converter for EV and Charging station
- Supervisory control and monitoring of EV and HEV System
- Electric Vehicle Charging System : Standards and guidelines
- EV Charging system technologies and configuration
- Innovation and business model in EV and Charging station infrastructure development

Patron

Dr. N V Ramana Rao
Director, NIT Raipur

Convenor

Dr. Prabhat Diwan
Dean (R&C), NIT Raipur

Event Organizers

Dr. Anamika Yadav
(Head and Professor)

Dr. Lalit Kumar Sahu
(Assistant Professor)

Department of Electrical Engineering
National Institute of Technology
Raipur, India, 492010

Resource Person

Technical session experts will be from
IITs/NITs and Industries

Venue

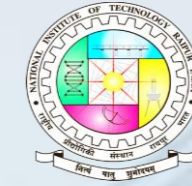
Department of Electrical Engineering
National Institute of Technology Raipur,
India-492010

How to apply?

Register using the link given below:



<https://forms.gle/B7Cqx52SYMRynG1Q7>



SERB Sponsored High-End Workshop

On

Emerging Trends on Electrical Vehicle Technology and Charging Station Infrastructure

(under the KARYASHALA scheme)

01st – 06th July 2024

Organized by

Department of Electrical Engineering
National Institute of Technology Raipur
Chhattisgarh - 492010

Correspondence/Query

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About the Karyashala

The KARYASHALA scheme by SERB, Government of India is meant for skill development training on topics required for scientific research work. It is an effort to improve the research productivity of promising PG and Ph.D. students from universities and colleges through high-end workshops on specific themes. This program aims to provide opportunities to acquire specialized research skills.

About the Institute

National Institute of Technology, Raipur (Formerly Known as GEC, Raipur) is an institute of national importance established in 1956. It is one of the premier institute in the field of science and technology in Central India. It situated in the centre of Raipur, capital of Chhattisgarh state. NIT Raipur is well connected to all parts of the country by road, rail and air. The institute is about 5 km from Raipur railway station and 25 km from Raipur airport.

About the Department

The Department of Electrical Engineering came into existence in 1958. Department of Electrical Engineering aims at imparting the state of the art knowledge and skills to the students in the field of electrical engineering and to mould them to become successful intellectuals of the society. The department provides an outstanding research environment and offers academic program leading to the award of B.Tech, M.Tech. and Ph.D. degree in Electrical Engineering.

Who Can Attend?

Karyashala is open to research scholars (Ph.D.)/postgraduate (PG)/4th year undergraduate (UG) students from all the institutes in India. The applications will be screened, and participants will be selected on merit basis decided by the event organizer. The event organizer's decision will be final in the selection of the participants.

Registration Guidelines

- Students need to register using the registration link provided in the brochure.
- Students selected for this workshop are eligible for travel allowance (TA) reimbursement (3rd AC) for their journey to and from NIT Raipur through the shortest route as per SERB and GoI norms.
- Accommodation will be provided at NIT Raipur Hostel.
- The maximum number of participants is limited to 25 and candidates will be selected on a merit basis.
- Only selected candidates will be informed by e-mail. Therefore, candidates must provide valid e-mail IDs in the application form.
- While filling out the application form, the candidate must upload their student ID card, NOC letter duly signed by the competent authority, and the latest CV.

Last Date of Application: 25 May 2024

Format for NOC

(To be given on University/Institute/College Letter head)

This is to certify that:

1. Mr. / Ms. / Mrs., is a bonafide student of our University / Institute / College and will assume full responsibility for actively participating in the High-End Workshop titled "Emerging Trends on Electrical Vehicle Technology and Charging Station Infrastructure" sponsored by SERB under the Accelerate Vigyan Scheme, scheduled from 1st - 6th July 2024 organized by Department of Electrical Engineering, NIT Raipur.
2. The Applicant is a Full-time / part-time student of our University/ Institute/ College and enrolled in UG/PG./PhD Program in Department.
3. The candidate is inSemester and he has secured %/ CGPA/CPI till date (if applicable).
4. The candidate is currently carrying out research/project as a part of his/her course curriculum and has completed the core courses of the program.
5. The University/ Institute/ College also endorses the conduct of the applicant to be of highest order who bears a good moral character.
6. The University/ Institute/ College has "No-Objection" for the candidate participation during the above said period.
7. The candidate, if selected for participation, shall be duly permitted to participate in the High-End Workshop via physical mode. The University/ Institute/ College may provide the necessary facilitation needed for this purpose.

Date:

Place:

Name and Signature & Seal

(Head of the Department/Thesis Supervisor)

Acknowledgement

The workshop coordinator is thankful to Science and Engineering Research Board (SERB), New Delhi for providing financial support to organize this high end workshop under KARYASHALA scheme of Accelerate Vigyan.