





### About the Institute

The National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata, originally established as the Technical Teachers' Training Institute (TTTI) in 1965, was the first of four such institutes set up by the Ministry of Education, Government of India. The other three institutes are located in Chandigarh, Bhopal, and Chennai. These institutes were created as fully centrally funded autonomous institutions to provide pre-service and in-service training to teachers and staff of degree and diploma-level technical institutions. They also play a crucial role in various activities aimed at improving the quality of the technical education system across the country. In recognition of their significant contributions to enhancing the quality of technical education, the Government of India accorded national status to NITTTR Kolkata and its sister institutes in 2003. The Institute's core activities include Education & Short-term Training, Curriculum Development, Learning Resources Development, Research & Development, and Extension Services & Consultancy. AICTE recognizes the short-term training programs conducted by NITTTR Kolkata for consideration under the Career Advancement Scheme (CAS). Additionally, the Institute offers four AICTE-approved, two-year M.Tech. programs in Artificial Intelligence and Machine Learning, Green Manufacturing, Mechatronics Engineering, and Structural Engineering. Recently, NITTTR Kolkata was granted "Deemed University" status by the UGC. NITTTR Kolkata is involved in several national-level projects, such as serving as the nodal agency for the centrally sponsored Community Polytechnic Scheme and designing AICTE-sponsored induction training programs for new engineering and polytechnic teachers. The Institute is also facilitating the integration of Persons with Disabilities (PWD) into mainstream technical and vocational education. With highly qualified faculty and state-of-the-art infrastructure, including well-equipped laboratories, NITTTR Kolkata continues to expand its reach, establishing extension centers in Guwahati and Bhubaneswar, and extending its services to technical and vocational institutions in SAARC and ASEAN countries.

### About the EEE Department

The Department of Electrical Engineering is a core part of the Institute, known for its highly qualified faculty drawn from premier institutions across the country. It has established itself as a leader in offering Long-Term and Short-Term Training Programs in Electrical, Electronics, and Instrumentation Engineering, meeting the needs of educators in the Eastern region and nationwide. Faculty members are deeply engaged in cutting-edge research in various areas, including Electrical Drives, Measurement and Instrumentation, Medical Electronics, Microcontrollers, PLCs, and Control Systems. The Department is also advancing research in key areas of electrical engineering, such as renewable energy systems, power electronics, smart grids, and energy storage technologies. These efforts contribute to the development of energy-efficient systems and the integration of renewable energy into power networks. In addition to research, the Department provides consultancy services to technical institutions and manages educational projects supported by industries, governments, and international bodies. These activities enhance the connection between academia and industry, promoting innovation and practical application of new technologies. Since the 2005-2006 academic year, the Department has offered M.Tech program in Mechatronics Engineering, addressing the growing demand for expertise in automation industries.

### CALL FOR PAPERS

Original research papers relevant to the theme and sub-themes of the seminar are invited from teachers, teacher educators, researchers, and educational administrators. The submissions should adhere to the following:

#### **Abstract Submission:**

Authors are requested to submit a one-page detailed abstract of their research paper.

#### **The abstract should include:**

- **Title of the Paper.**
- **Names and Affiliations of the Authors.**
- **Keywords (3-5)**
- **A brief overview of the research problem, objectives, methodology, and key findings.**

#### **Presentation Format:**

- **All accepted papers will be presented through oral presentations during the seminar.**
- **Presentations should be concise, focusing on key findings and implications**

#### **Publication:**

- **All accepted and presented abstracts will be compiled and published in PDF format by NITTTR Kolkata in the form of a Book.**
- **A digital copy will be shared with all authors for reference and academic use.**

#### **Resource Persons:**

The seminar will feature **distinguished speakers** who are **eminent faculty members** from **prestigious institutions** such as the **IITs, NITs, NITTTR** and other **renowned academic institutions** from India and abroad. In addition, experts from **leading industries** and **global research organizations** will also share their insights. This diverse panel of speakers will ensure a comprehensive blend of **academic rigor, industrial relevance, and international perspectives.**

#### **Website Link:**

**Detailed about Seminar is available on NITTTR Kolkata website. <http://www.nittrkol.ac.in/>**

### REGISTRATION LINK

**Registration link** will be provided shortly.

#### **IMPORTANT DATES:**

**Last Date of Abstract Submission: 30-11-2024**

**Acceptance Notification: 25-12-2024**

**Last Date of Registration: 05-01-2025**

**Seminar Date: 16th-17th January 2025**

#### **CERTIFICATION:**

All participants will receive **certificates** issued by the **Department of Electrical Engineering, National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata, India.** The certificates will acknowledge their active participation and contribution to the seminar.

#### **REGISTRATION FEE:**

**All participants of the seminar will need to register by paying non-refundable registration fee.**

Authors	Indian		Foreign (USD)	
	Offline	Online	Offline	Online
Student/Research Scholar	1500/-	500/-	125 \$	100 \$
Faculty	2500/-	1500/-	150 \$	125 \$
Professional from Industry / Research Organization	5000/-	2500/-	200 \$	150 \$

**Venue Location:** NITTTR Kolkata Extension Centre, Guwahati, Girls' Polytechnic Campus, Bamuni Maidan, Guwahati-781021, Assam.

#### **NOTE:**

- The **registration form**, duly filled in all respects, along with the **proof of the prescribed fee** payment, needs to be submitted through the **Google Form link** (link will be shared shortly).
- **Registration** will be confirmed on a **first-come, first-served** basis.

#### **Contact Persons:**

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