National Institute of Technical Teachers' Training and Research (NITTTR) Kolkata

DEEMED TO BE UNIVERSITY,
Under the Ministry of Education, Govt. of India
Block-FC, Sector-III, Salt Lake City
Kolkata-700106, West Bengal, INDIA

WINTER INTERNSHIP PROGRAM 2026



About Us

National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata started its journey in 1965 under the Ministry of Education, Government of India. Government of India, in 2003, accorded national status to this Institute (along with the 3 sister institutes) in recognition to the expert service rendered for overall improvement of quality of Technical Education System. The primary focus of the Institute is to provide in-service training to the teachers and staff of Degree and Diploma level technical institutions and conducting activities related to the quality improvement of the technical education system of the country.

As per Government of India notification No. 9-1/2021-U.3(A) dated 22nd February, 2024, in exercise of powers conferred under Section 3 of UGC Act, 1956, the Ministry of Education, on the advice of the UGC, has declared NITTTR Kolkata as an **Institution Deemed to be University under distinct category**

The Institute has excellent infrastructural support in the form of well-equipped laboratories and other resources. The focal activities of the Institute include Short-Term Training programmes, Learning Resources Development, Educational Research and Management as also Extension Services, Curriculum Development. Apart from these, the Institute is offering four M. Tech. Programmes in Green Manufacturing, Intelligent Control Systems, Artificial Intelligence and Machine Learning, Smart Structural Engineering and also offering Ph.D programme in five departments.

The NITTTR Kolkata is proudly introducing Winter Internship Programme from the current academic year, 2024-25 at the department of Civil Engineering, Computer Science & Engineering, Education & Management, Electrical Engineering and Mechanical Engineering.

Objective of the Programme

Students will gain practical knowledge in their respective areas and conduct reasonable work, aiming research & development of the system or device or component or unit / product development/ research paper publication/ solving realistic problems etc.

Duration

Tentative duration of the program is from 28.12.2026 to 22.01.2027. The exact date of commencement will be communicated through email on the later stage.

DEPARTMENTS

Civil Engineering Dept.

Eligibility: Candidates completed in the 2nd Year of UG/Diploma programme OR completed 1st Year of the PG programme in Civil Engineering.

Areas of work:

- analysis and design of reinforced concrete and steel structures,
- earthquake engineering,
- vibration control,
- repair and rehabilitation of structures
- finite element method,
- concrete technology,
- geotechnical engineering,
- environmental science & engineering
- water & wastewater engineering and waste management.

The programme also includes hands on experience in the application of software for analysis and design using the latest version of software such as STAAD PRO, ETABS, SAP2000, ANSYS, and ABAQUS.

Computer Science & Engg. Dept.

Eligibility: Candidates completed in the 2nd Year of UG/Diploma programme OR completed 1st Year of the PG programme in CSE, IT OR completed 1st Year of MCA, from an AICTE / UGC recognized Institute.

Areas of work:

- Artificial Intelligence
- Machine Learning
- Computer Networking
- Large Language Models
- Soft Computing
- Computer Vision

- Computational Geometry
- Parallel Computing
- Bioinformatics
- DBMS
- Education Informatics
- Cyber Security
- Natural Language Processing

Tech. Education & Mgmt. Dept.

Eligibility: Candidates completed in the 2nd Year of UG/Diploma programme OR completed 1st Year of the PG programme in Education, Management, Humanities and Social Sciences disciplines.

Areas of work:

- Humanities and Social Sciences
- HRD and HRM
- Students Assessment and Evaluation
- Training & Development, Educational research, Soft skill development.
- Digital Pedagogy
- Technology Enabled Learning
- AI ML
- Academic Leadership
- Universal Human Values
- Communication Skills
- Educational Psychologies

Electrical Engineering Department

Eligibility: Candidates completed in the 2nd Year of UG/Diploma programme OR completed 1st Year of the PG programme in Electrical, Electronics and Communication, Mechanical, Electronics & Instrumentation disciplines.

Areas of work:

- Renewable and sustainable Energy
- Power System Protection
- Power Electronic Application
- Electric Vehicle
- Sensors and IOT Applications
- PLC Prog. And Industrial Automation
- MATLAB & LABVIEW Applications
- Embedded System
- Hi-bridge Inverter Design
- AI and Expert System
- VHDL Applications
- Health prediction of EV Battery with Advanced Techniques
- Optimal Utilisation of Energy Resources
- Advanced Power Converter Topology
- Sensors Technology

Mechanical Engineering Dept.

Eligibility: Candidates completed in the 2nd Year of UG/Diploma programme OR completed 1st Year of the PG programme in Mechanical Engineering or allied or interdisciplinary fields.

Areas of work:

- Supply Chain Management
- Method Time Management
- Microscopic analysis of products/ materials
- Manufacturing
- Thermal engineering
- Composites
- Nanomaterials
- Structural Mechanics
- CFD
- CAD/CAM
- NC/CNC
- Fluid power
- EDM
- ECM
- Welding
- Internet of Things (IoT)
- Application of Physics-Informed Neural Networks in Engg.

General Conditions & Instructions

Fee: Rs. 2,000/- for four weeks.

Accommodation: Efforts will be made to provide accommodation to the interns in the institute Hostel on payment basis. Hostel charge will be Rs. 1,000/- (excluding meal charge).

Eligibility: Candidates completed in the 2nd Year of UG/Diploma programme OR completed 1st Year of the PG programme

Application Fees Rs.200/- (through the link/QR code)

How to apply:

- Registration: Applicant should register with their details using the link given below.
  Link: https://forms.gle/EFCK9sHqn7GVhK54A
- The selected candidates will be communicated by email only.
- Documents to be submitted: (1) Signed application (2) Identity proof (3) Consolidated Grade Card (appropriate) (4) The letter of reference from the parent Institute

Submission of Fees: Once confirmed, fees for four weeks internship, ₹2,000/- (Rupees Two thousand only) should be deposited in online payment through the link: https://onlinesbi.sbi.bank.in/sbicollect/icollecthome.htm?saralID=-960879101

Payment Link

Certificate: Upon successful completion of the programme, certificates will be provided by NITTTR Kolkata authority to the students.

Important Dates

Task	Tentative Timeline
Last Date for submission of Application form	**December 15, 2026 (Tuesday)**
Dates for Interview through online	January 18, 2027 (Friday)
Joining of Internship	Communicated through your email
Duration of Internship	4 weeks

CONTACT:

PG Cell, National Institute of Technical Teachers' Training and Research, Kolkata, Block-FC, Sector-III, Salt Lake City, Kolkata-700106

pgcell@nitttrkol.ac.in ☎ 033-66251944

http://www.nitttrkol.ac.in

REGISTRATION LINK