PHD
Admissions
2025-26

Click Here

NITTTR, Kolkata invites applications from highly motivated in-service teachers and other students for admission to its **Full Time** and **Part Time** PhD programme for the academic year 2025-26

About US

The National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata, established in 1965 under the Ministry of Education, Government of India as Technical Teachers' Training Institute (TTTI), Calcutta was granted national status in 2003 for its contributions to improving the technical education system. The institute primarily focuses on training faculty and staff of technical institutions and enhancing quality of technical education. As per Government of India notification (22nd Feb 2024), NITTTR Kolkata has been declared an Institution Deemed to be University under the UGC Act, 1956. It offers state-of-the-art infrastructure, well-equipped laboratories, and resources. Key activities include Short-Term Training, Learning Resource Development, Research, Management, Extension Services, and Curriculum Development. The institute offers four M.Tech programs in Green Manufacturing, Intelligent Control Systems, Artificial Intelligence & Machine Learning, and Smart Structural Engineering, along with Ph.D. programs in five departments.

PhD Programmes
(Full-Time/Part-Time)

- Civil Engineering
- Computer Science and Engineering
- Electrical Engineering
- Mechanical Engineering
- Technical Education

Eligibility Criteria

1. Master's degree in Engineering/Technology (M.E/M.Tech) or 2 years M.S degree (after 4 years of B.E/B.Tech.) in relevant area, with a minimum CGPA of 6 or its equivalent.

2. Bachelor's degree in Engineering/Technology from a Government recognized institute in relevant area, with a minimum CGPA of 7.5.

3. Master's degree in Science / Humanities / Management / Education with a minimum CGPA of 6 or its equivalent.

Admission Process

Admission is based on written test and interview conducted by NITTTR, Kolkata (Deemed to be University) in the university campus.

How To Apply

1. Application Fees Rs.500/- (Details of the application fees to be filled by the candidates in the google form) are to be deposited through online payment (NEFT/RTGS) in the Account: National Institute of Technical Teachers' Training & Research, Kolkata; Bank Account No.: 089302000000263; Bank Name: Indian Overseas Bank; Bank Address: Salt Lake City, Block- EA, Sector-I, Kolkata-700064; IFSC Code: IOBA0000893. The fee once paid will not be refunded or re-adjusted under any circumstances.

2. Click the Application Form Link to fill up and submit. https://forms.gle/AgiFmJKZn94NFutV8

3. The list of shortlisted candidates will be published on the Institute website and communicated via email only.

PhD Seat Matrix

Department	Available seats	UR	SC (15%)	ST (7.5%)	OBC (27%)	EWS (10%)	PWD
Civil Engineering	3	2	0	0	1	0	0
Computer Science & Engineering	4	2	1	0	1	0	0
Electrical Engineering	5	2	1	0	1	1	0
Mechanical Engineering	4	2	1	0	1	0	0
Tech. Education & Management	5	2	1	0	1	1	0
Total	21	10	4	0	5	2	0

Area of Specialization

Department of Civil Engineering
- Environmental engineering
- Water & Wastewater Quality and Treatment
- Advanced Wastewater Treatment
- Geotechnical and Geoenvironmental Engineering

Department of Computer Science & Engineering
- Machine Learning and It's Applications
- Computational Geometry and It's Applications
- Parallel Computing, Numerical Simulation
- Computational Biology
- Educational Informatics
- Papyri Analysis

Department of Electrical Engineering
- Sensor and Transducer Technology
- Process Control and Automation
- PLC, DCS and SCADA
- Mechatronics & Robotics
- Bio-Medical Instrumentation
- IOT based Instrumentation
- Hybrid CMOS-SET (HCS) Based Designing of Digital and Analog Devices
- Single Spin Logic (SSL) Based Logic Designing of Reversible Gates etc.
- Sensors and Control System for Industrial Automation
- Stability Aspects of Grid Integrated Renewables and Evs

Department of Mechanical Engineering
- Thermal Engineering
- Turbomachinery
- CFD
- Gas Turbines
- Materials for Gas Turbine engine components
- Power plant engineering
- Alternative fuels
- Additive Manufacturing
- Advanced Welding
- Materials Processing
- Technical Education
- Super alloys,
- Manufacturing Technology
- Advanced Manufacturing
- biomaterials,
- metal matrix composite,
- Nano materials
- Green Composite Manufacturing,
- Digital Advanced Manufacturing for Smart Product Development,
- Digital Supply Chain Management,
- Industrial Engineering

Department of Technical Education and Management
- Technical education
- Quality management
- Training and development
- Curriculum development
- Educational Assessment & Evaluation
- Pedagogy
- Teaching methodology
- Training & Development
- Organizational Behaviour
- Technology Enabled Learning
- Technical Education
- AI/ML based Education
- Electronics Engineering Education
- VLSI Design and Nanodevice Modelling

Important Dates

Event	Tentative Timeline
Last Date for submission of Application form	May 22, 2025, Thursday
Date for written test and/or Interview	Jun 5-6, 2025, Thu & Fri 10:30 AM to 11:30 AM

Application Form:
https://forms.gle/AgiFmJKZn94NFutV8

CONTACT:
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Application Deadline: May 22, 2025