NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH, KOLKATA
Deemed to be University, Under the Ministry of Education, Govt. of India

Ph.D.



Admissions 2026-27

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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 2026-27 (Spring Session)

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 five M.Tech in Advanced Manufacturing with Pedagogy, Artificial Intelligence (AI) & Machine Learning (ML) with Pedagogy, Intelligent Control Systems with Pedagogy, Smart Structural Engineering with Pedagogy and Engineering Education, 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 & Management

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 by clicking the link: https://onlinesbi.sbi.bank.in/sbicollect/icollecthome.htm?saralID=-960879101
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.

Payment Link

Area of Specialization

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

Department of Computer Science & Engineering
- Machine Learning and Deep Learning
- Bio Medical Image Processing
- Network and Cyber Security
- Cloud Computing
- Technology Enabled Learning
- Computational Biology
- Educational Informatics
- Papyri Analysis
- Natural Language Processing
- Soft Computing
- Computer Vision
- Computational Geometry
- Parallel Computing
- Computational and Observational Astrophysics
- Machine Learning and It's Applications
- Computational Geometry and It's Applications
- Parallel Computing, Numerical Simulation

Department of Electrical Engineering
- Renewable and Sustainable Energy
- Power System Protection
- Electric Vehicle
- Power Electronic application in Power Systems
- Converter and Inverter Design
- AI and Expert System Applications
- Stability Aspects of Grid Integrated Renewables and EVs
- Advanced Control Techniques for Microgrid System
- Smart Microgrid System with Renewables and EVs
- Advanced Power Converter Topology
- Sensor, Transducer and Measurement Technology
- Control and Industrial Automation
- Mechatronics & Robotics
- Bio-Medical Instrumentation
- IOT based Instrumentation
- Sensors & IoT Applications
- Smart Farming
- Micro Electronics

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
- Machine Design and Robotics
- 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
- Welding

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

Payment Link

Important Dates

Event	Tentative Timeline
Last Date for submission of Application form	22/12/2026 (Tue)
Date for written test and/or Interview	04/01/2027 (Mon)

Application Form:
https://forms.gle/PTUgwx6sdhbT5PU8A



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Application Deadline: 22-12-2026