



## NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND RESEARCH (NITTTR), BHOPAL

*(Deemed to be University under Distinct Category)*

Ministry of Education, Government of India



### **M.Tech. & Ph.D ADMISSIONS 2025-26**

Under Quality Improvement Program (QIP) of AICTE

## Information Brochure





## ABOUT NITTTR BHOPAL

The National Institute of Technical Teachers' Training and Research (NITTTR), Bhopal, established in 1966, is a distinguished institution created to enhance the quality of technical education in India. Recently conferred the status of "Deemed to be University under Distinct Category," NITTTR Bhopal has earned a national reputation for excellence in faculty development and institutional capacity building.

NITTTR, Bhopal is committed to providing leadership in technical teacher education by integrating principles of capacity building across its programs, with a strong emphasis on the future of work, green and sustainable development, women-led initiatives, inclusion of faculty with diverse abilities, and the effective use of technology. Through continuous curriculum upgradation and innovative pedagogy, the institute ensures that all technical faculties are equipped with the latest skills and knowledge, enabling them to meet the dynamic demands of modern technical education and contribute meaningfully to national development goals.

The campus is equipped with advanced labs (COE for OSAT and ATMP, SIEMENS, CEL. etc.), rich library, modern computing facilities, and quality accommodations—provides an ideal setting for academic and professional growth. Centrally located in the heart of India, NITTTR Bhopal welcomes educators from all over the country, reinforcing its position as a national leader in technical teacher education.

*NITTTR Bhopal - Empowering Technical Education Faculty through Advanced Learning Opportunities*

## ABOUT THE QIP PROGRAM

NITTTR Bhopal is proud to be one of the designated Quality Improvement Centers (QIP) of AICTE, New Delhi. We offer opportunities for faculty members from AICTE-recognized Technical Institutions to enhance their qualifications through our M.Tech. and Ph.D. programs under the QIP scheme.

The QIP program aims to upgrade the expertise and capabilities of faculty members of the AICTE approved Technical Institutions by enabling them to acquire Master's/Doctoral degrees and creating a resource pool of highly qualified teachers in the country.





NITTTR, Bhopal is one of the Quality Improvement Centers (QIP) of AICTE, New Delhi with Institute Unique ID-QIP0146.

NITTTR, Bhopal admits faculty members working in the AICTE recognized Technical Institutions for PhD and M.Tech. programmes under QIP scheme of AICTE in the following disciplines:

## PROGRAMS OFFERED (Ph.D & M.Tech.)

S. No	Department Unique ID and Name	Courses	Specialization
1	(DN001586) Mechanical Engineering	Ph.D Engineering	Computer Aided Design, Design Optimization, Manufacturing Science, Mechatronics
2	(DN001588) Electrical & Electronics Engineering	Ph.D Engineering	Renewable Energy Systems, Smart Grid Technologies, Power System Control, system optimization, Power System Restructuring, Low Voltage Switch Gear, Electric Vehicle Technology, Multi Level Inverters, Power Converters, Power Quality Improvement, Drives and Control Power Converters, Industrial Drives, Artificial Intelligence and Machine Learning applications to Power Systems, AI and ML applications to Power Electronics, Digital Twin, Industrial Automation, Electrical and Energy studies, Hydrogen fuel cells, Battery technology. Wireless Networking, Flying Adhoc Networks & their VLSI implementation, Smart agriculture system using Drone, VLSI for AI, Digital Twin, Semiconductor Technology, Semiconductor Packaging, 5G-6G Communication, IoT, Image and Signal Processing, Digital Signal Processing, Evolutionary Computing, Antenna Design, Biomedical Signal Processing, Deep Learning/CNN and its Application
3	(DN001589) Computer Science & Engineering	Ph.D Engineering	AI & ML, Cyber Security, Big Data Analytics Quantum Computing, Internet of Things (IoT)
4	(DN001592) Civil & Environmental Engineering	Ph.D Engineering	Structural Engineering, Geotechnical Engineering

S. No	Department Unique ID and Name	Courses	Specialization
1	(DN001585) Management Studies	Ph.D Management	Marketing, Finance, Human Resources, Public Policy

S. No	Department Unique ID and Name	Courses	Specialization
1	(DN001591) Mechanical Engineering	M.Tech.	Computer Aided Design Manufacture and Automation
2	(DN001587) Electrical & Electronics Engineering	M.Tech.	<ul style="list-style-type: none"> <li>Green Technology</li> <li>VLSI &amp; Microelectronics</li> </ul>
3	(DN001590) Computer Science & Engineering	M.Tech.	Big Data Analytics (System Security, Healthcare, Social Network and Business Analysis)
4	(DN001593) Civil & Environmental Engineering	M.Tech.	Transportation Engineering and Management

## ELIGIBILITY CRITERIA

Applicants must meet the eligibility criteria as prescribed in the AICTE-QIP scheme information brochure.

**For detailed eligibility requirements, please visit:**

[https://qip.aicte.gov.in/assets/manuals/QIP\\_%20Scheme%20Guidelines\\_%202025.pdf](https://qip.aicte.gov.in/assets/manuals/QIP_%20Scheme%20Guidelines_%202025.pdf)

## APPLICATION PROCEDURE

For complete admission procedure and downloadable application forms,

please visit: <https://qip.aicte-india.org>

## IMPORTANT DATES

Applications are now open for the 2025-26 academic year.

*(Please refer to the website for specific deadlines)*

## BENEFITS OF QIP AT NITTTR BHOPAL

- Study at a premier institute with "Deemed to be University under Distinct Category" status
- Offers a unique opportunity for technical faculty to enhance their qualifications while contributing to academic excellence.
- Participants benefit from fully sponsored education, continued service benefits, and access to expert mentorship in a research-driven environment.
- The institute provides state-of-the-art labs, a collaborative academic atmosphere, and exposure to cutting-edge developments in engineering and education.
- Strengthens individual expertise and career prospects but also empowers educators to bring innovation and leadership to their home institutions, thereby advancing the overall quality of technical education in India
- Learn from nationally recognized faculty with extensive industry and academic experience
- Strong focus on application-oriented research and development

## CONTACT INFORMATION

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**Ministry of Education, Government of India**

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