

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

(Deemed to be University under Distinct Category)



M.Tech. & Ph.D. ADMISSIONS 2026-27
Under Quality Improvement Program (QIP) of AICTE
Institute Unique ID: QIP0146

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.

Its campus—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 primarily serves the western and central regions but welcomes educators from all over the country, reinforcing its position as a national leader in technical teacher education.

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.

PROGRAMS OFFERED

Ph.D.

S.No	Department	Department unique Id	Courses	Specialization
1	Mechanical Engineering	DN001586	Ph.D Engineering	Computer Aided Design, Design Optimization, Manufacturing Science, Mechatronics
2	Electrical & Electronics Engineering	DN001588	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, Artificial Intelligence and Machine Learning 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	Computer Science & Engineering	DN001589	Ph.D Engineering	1. AI & ML 2. Cyber Security 3. Big Data Analytics 4. Quantum Computing 5. Internet of Things (IoT)
4	Civil Engineering	DN001669	Ph.D Engineering	1. Structural Engineering 2. Geotechnical engineering

S.No	Department	Department unique Id	Courses	Specialization
1	Department of Management	DN001670	Ph.D Management	Marketing, Finance, Human Resources, Public Policy

M.Tech.

S.No	Department	Department unique Id	Courses	Specialization
1	Mechanical Engineering	DN001591	M.Tech.	Computer Aided Design Manufacture And Automation
2	Electrical & Electronics Engineering	DN001587	M.Tech.	1. VLSI & Microelectronics 2. Power Electronics and Drives 3. Defence Technology
3	Computer Science & Engineering	DN001590	M.Tech.	Big Data Analytics (System Security, Healthcare, Social Network and Business Analysis)
4	Civil Engineering	DN001668	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://www.aicte-india.org>.

APPLICATION PROCEDURE

For complete admission procedure and downloadable application forms, please visit: <https://qip.aicte.gov.in>

IMPORTANT DATES

Applications are now open for the 2026-27 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
- Access to modern research facilities and laboratories
- Networking opportunities with technical educators from across the country
- Strong focus on application-oriented research and development

CONTACT INFORMATION

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NITTTR Bhopal - Empowering Technical Education Faculty through Advanced Learning Opportunities