

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING AND
RESEARCH, SHAMLA HILLS, BHOPAL**

Revised Advt. No.- 03/2023-24

Qualifications & Experience

1. Professor:

A. Essential Qualifications & Experience

(a) Ph. D. degree in relevant field and First class or equivalent at either Bachelor's or Master's level in the relevant branch.

AND

(b) Minimum of 10 years of experience in teaching / research / industry out of which at least 3 years shall be at a post equivalent to that of an Associate Professor.

AND

(c) At least 6 research publications at the level of Associate Professor in SCI journals / UGC / AICTE approved list of journals and at least 2 successful Ph.D. guided as Supervisor / Cosupervisor till the date of eligibility.

OR

At least 10 research publications at the level of Associate Professor in SCI journals / UGC / AICTE approved list of journals till the date of eligibility.

B. Desirable specializations

S.N.	Post	Department	Desirable Specialisation
1.	Professor (Technical & Vocational Education)	Department of Technical & Vocational Education	<ul style="list-style-type: none">• Education Psychology• TVED Curriculum for IR 4.0• Startup/Entrepreneurship• Industry Institute Partnership• Work-based Learning/Apprenticeship Training

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S.N.	Post	Department	Desirable Specialisation
2.	Professor (Computer Science and Engineering)	Department of Computer Science & Engineering Education	<ul style="list-style-type: none"> • Artificial Intelligence and Machine Learning • Cloud Computing • Big Data Analytics • Block chain and Decentralized Systems • Cyber Security • Internet of Things • Networking and Embedded Systems • High-Performance Computing - Quantum Computing • Computer Vision and Augmented Reality • Wireless Networks and Distributed Systems • Natural Language Processing • Data Mining and Databases • Robotic programming in Computer Engineering
3.	Professor (Design)	Department of Mechanical Engineering Education	<ul style="list-style-type: none"> • Product Design • Industrial Design
4.	Professor (Architecture)	Department of Civil Engineering & Environmental Education	-
5.	Professor (Electrical & Electronics)	Department of Electrical Electronics Engineering Education	<ul style="list-style-type: none"> • Drone Technology • EV Technology and Electrical Drives • IoT and Sensor System / Industry IoT • Power system Automation / Smart Grid • Advanced Digital Communication • VLSI Design • RF Engineering, 5G, 6G and beyond • Micro Electrical and Mechanical system (MEMS) • Sensors in Electronics Engg.
6.	Professor (Curriculum Development & Assessment)	Department of Curriculum Development & Assessment Education	<ul style="list-style-type: none"> • Assessment • Curriculum Design & Development • Education Technology
7.	Professor (Pharmacy)	Department of Applied Science	<ul style="list-style-type: none"> • Pharmaceutical Sciences (Pharmaceutics/Pharmacology/ Pharmacognosy) • Drug Designing

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S.N.	Post	Department	Desirable Specialisation
8.	Professor (Civil Engineering)	Department of Civil Engineering & Environmental Education	<ul style="list-style-type: none">• Geo - Spatial Engineering• Urban Transportation Planning• Urban City Planning• Smart and Composite Structures• Building Information Modeling• Sustainable Construction Materials and Technologies• ANN Application in Structural Engineering• Ground Water System Planning & Management• Intelligent Transportation System in Civil Engineering

2. Associate Professor:

A. Essential Qualifications & Experience

(a) Ph. D. degree in relevant field and First class or equivalent at either Bachelor's or Master's level in the relevant branch.

AND

(b) At least total 6 research publications in SCI journals / UGC / AICTE approved list of journals.

AND

(c) Minimum of 8 years of experience in teaching / research / industry out of which at least 2 years shall be Post Ph.D. experience

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B. Desirable specializations

S.N.	Post	Department	Desirable Specialisation
1.	Associate Professor (Electrical & Electronics)	Department of Electrical Electronics Engineering Education	<ul style="list-style-type: none">• Drone Technology• EV Technology and Electrical Drives• IoT and Sensor System / Industry IoT• Power system Automation / Smart Grid• Advanced Digital Communication• VLSI Design• RF Engineering, 5G, 6G and beyond• Micro Electrical and Mechanical system (MEMS)• Sensors in Electronics Engg.
2.	Associate Professor (Mechanical Engineering)	Department of Mechanical Engineering Education	<ul style="list-style-type: none">• Industrial Automation• Digital manufacturing• Application of Robotics• Advanced Production Systems• Industrial engineering and Quality Management• Smart System• Additive Manufacturing• Green Manufacturing• Product Design, Simulation and Validation