

ANNEXURE – I



NATIONAL INSTITUTE OF TECHNOLOGY
TIRUCHIRAPPALLI – 620 015 TAMIL NADU, INDIA

FACULTY RECRUITMENT

(Ref: Advt. No. NITT/R/F/L12/2026/01, NITT/R/F/L13A2/2026/02, NITT/R/F/L14A/2026/03 dated 05.03.2026)

Desirable areas of specialization:

Sl. No.	Department	Post and Pay Level in 7 th CPC	Area of specialization
1.	Architecture (AR)	Assistant Professor (Grade-I) Pay Level 12	B.Arch. and M.Arch. / M.Plan / M.Des. in any one of the following Specializations: General Architecture, Landscape Architecture, Planning, Town Planning, Urban Planning, Urban and Rural Planning, City Planning, Transport & Infrastructure Planning, Environmental planning, Energy efficient and sustainable architecture, Digital Architecture, Building Engineering and Management, Building Technology, Urban Design, Conservation, Housing
		Associate Professor Pay Level 13A2	B.Arch and M.Arch in Landscape Architecture with Ph.D. in Outdoor Thermal Comfort
2.	Civil Engineering (CV)	Assistant Professor (Grade-I) Pay Level 12	B.E/ B.Tech. in Civil Engineering and Master's degree in the following specializations: Construction Technology and Management/ Construction Engineering and Management/Infrastructure Engineering and Management/Building Technology and Construction Management Construction Management/ Infrastructure Engineering with Ph.D. in the following

			<p>areas of research: Building Information Modeling, Construction Contracts Management, Construction Automation and Digitalisation (use of AI/ML, IoTs, Digital Twin), Construction and Demolition Waste Management, Sustainability in Construction, Infrastructure Project and Asset Management, Simulation based Analysis and Modeling of Construction Operations, Construction Productivity</p> <p>B.E/ B.Tech. in Civil Engineering and M.E. or M.Tech. in any of the following specializations: Structural Engineering / Geotechnical Engineering/ any Master's degree relevant to Earthquake Engineering with PhD in earthquake research</p>
		Associate Professor Pay Level 13A2	<p>B.E/ B.Tech. in Civil Engineering and M.E. or M.Tech in Environmental Engineering & Ph. D. in advanced electro chemical systems, advanced oxidation processes, and integrated biochemical systems for industrial wastewater treatment.</p> <p>B.E/ B.Tech. in Civil Engineering and M.E. or M.Tech. in any of the following specializations Structural Engineering / Geotechnical Engineering / Transportation Engineering / Disaster Management/Water Resources Engineering / any Master's degree relevant to Ocean and Offshore Engineering, with PhD in Offshore / Ocean Engineering/ Water Resources Engineering.</p>
3.	Computer Applications (CA)	Assistant Professor (Grade-I) Pay Level 12	<p>B.Sc. / BCA or any equivalent undergraduate degree and M.Sc (CS/IT or equivalent) / MCA or any equivalent P.G.degree in relevant discipline (OR) B.E. / B.Tech. or equivalent and M.E / M.Tech. / M.S in CSE / IT / Equivalent, and Ph.D. in any one of the following Specializations: AI/ML, Cyber security/Information Security, Data Science/ Data Analytics, Cloud Computing. Software Engineering, Theory of Computation, IoT, Quantum Computing/High Performance Computing, Computer Networks.</p>
		Associate Professor Pay Level 13A2	<p>B.Sc. / BCA or any equivalent undergraduate degree and M.Sc (CS/IT or equivalent) / MCA or any equivalent P.G.degree in relevant discipline (OR)</p>

			B.E. / B.Tech. or equivalent and M.E / M.Tech. / M.S in CSE / IT / Equivalent, and Ph.D. in any one of the following Specializations: AI/ML, Cyber security/Information Security, Data Science/ Data Analytics, Cloud Computing. Software Engineering, Theory of Computation, IoT, Quantum Computing/High Performance Computing, Computer Networks.
4.	Computer Science and Engineering (CS)	Assistant Professor (Grade-I) Pay Level 12	B.E. / B.Tech. or equivalent in CS / CSE / IT and M.E. / M.Tech./ M.S. in CSE / IT or equivalent and Ph.D. in any one of the following. The equivalent degree will be decided by the department committee. Specialization: Embedded System, Computer Architecture, Theoretical Computer Science, Human Computer Interaction, Quantum Computing, Distributed Systems & Artificial Intelligence.
		Associate Professor Pay Level 13A2	B.E. / B.Tech. or equivalent in CS / CSE / IT and M.E. / M.Tech. / M.S. in CSE / IT or equivalent and Ph.D. in any one of the following. The equivalent degree will be decided by the department committee. Specialization: Embedded System, Computer Architecture, Theoretical Computer Science, Human Computer Interaction, Quantum Computing, Distributed Systems & Artificial Intelligence.
5.	Electrical and Electronics Engineering (EE)	Assistant Professor (Grade-I) Pay Level 12	B.E. / B.Tech. in Electrical and Electronics Engineering / Electrical Engineering M.E. / M.Tech. in Electrical Engineering/ Power Systems/ Power Electronics. Ph.D. in the area relevant to Electrical and Electronics Engineering.
		Associate Professor Pay Level 13A2	B.E. / B.Tech. in Electrical and Electronics Engineering / Electrical Engineering M.E. / M.Tech. in Power Electronics & Drives, Electronics Engineering. Ph.D. in the area relevant to Electrical and Electronics Engineering/Power Electronics/Renewable energy systems
6.	Electronics and Communications Engineering (EC)	Assistant Professor (Grade-I) Pay Level 12	B.E./B.Tech. in Electronics and Communication Engineering, M.E. / M. Tech. in Signal Processing, VLSI System Design, Communication Systems Ph.D. in Signal Processing, Image Processing, Wireless Communication.

		Associate Professor Pay Level 13A2	B.E./B.Tech. in Electronics and Communication Engineering M.E. / M.Tech./M.S. in Communication Systems, Quantum Photonics integrated design Ph.D. in Information and Communication, VLSI-Asynchronous System design
7.	Humanities and Social Sciences (HS)	Assistant Professor (Grade-I) Pay Level 12	For HS - ECONOMICS: Any UG degree and PG Degree in Economics/Econometrics Ph.D in Economics
		Professor Pay Level 14A	For HS - ENGLISH: B.A., M.A., and Ph.D in English Language/Literature / English Language and Literature
8.	Instrumentation and Control Engineering (IC)	Associate Professor Pay Level 13A2	B.E. / B.Tech. and M.E./M.Tech. in Electrical sciences with Ph.D. Research Specialization in Advanced Process Control application /Diabetic foot Bio-mechanics / Brain- Computer Interface
9.	Management Studies (MG)	Assistant Professor (Grade-I) Pay Level 12	Full-time regular UG degree. 2-year Full-Time MBA with Ph.D. Specialization: Information Management /Systems, General Management (Micro Economics, Macro Economics, Indian Ethos, Legal Aspects of Business), Operations Management, Business Analytics
		Associate Professor Pay Level 13A2	Full-time regular UG degree. 2-year Full-Time MBA with Ph.D. Specialization: Information Management /Systems, General Management (Micro Economics, Macro Economics, Indian Ethos, Legal Aspects of Business), Operations Management, Business Analytics
10.	Mathematics (MA)	Assistant Professor (Grade-I) Pay Level 12	MA/MSc/MS or equivalent in Mathematics/Applied Mathematics/Mathematics and (Scientific) Computing with PhD in Mathematics specializing in one of the following areas: Algebraic Geometry, Harmonic Analysis, Operations Research, Probability and Stochastic Processes, Theoretical Computer Science
		Associate Professor Pay Level 13A2	MA/MSc/MS or equivalent in Mathematics/Applied Mathematics/Mathematics and (Scientific) Computing with PhD in Mathematics specializing in one of the following areas:

			Algebraic Geometry, Harmonic Analysis, Operations Research, Probability and Stochastic Processes, Theoretical Computer Science
11.	Mechanical Engineering (ME)	Assistant Professor (Grade-I) Pay Level 12	B.E./ B.Tech. in Mechanical Engineering. M.E./M.Tech./M.S in Energy/Fluids Engineering/Refrigeration and Air-conditioning /Design /Automobile /Aerospace /Mechatronics/Industrial Safety Engineering. Ph.D. in Microfluidics/Thermal Energy Storage/Refrigeration and Air-conditioning/ Design/ Industrial Safety/ Solid Mechanics/ Automation and control/ Robotics/ AI and Machine Learning/ Data Analytics/ Aerospace /Electric Vehicles/Hydrogen and Fuel Cells/ Tribology /Ergonomics.
		Associate Professor Pay Level 13A2	B.E./ B.Tech. in Mechanical Engineering. M.E./ M.Tech./M.S in Engineering Mechanics/Design /Industrial Safety Engineering. Ph.D. in Process Engineering/Design/ Industrial Safety.
12.	Metallurgical and Materials Engineering (MT)	Assistant Professor (Grade-I) Pay Level 12	B.E/B.Tech in Metallurgical and Materials Engineering, Metallurgy, Metallurgical Engineering, Materials Science, Metallurgy and Material Science, Metallurgical Engineering and Materials Science, Materials & Metallurgical Engineering, Materials Engineering, Materials Science and Engineering and ME/MTech/ MS (by Research) in Metallurgy/Metallurgical Engineering / Metallurgical and Materials Engineering / Metallurgical Engineering and Materials Science / Materials Science and Engineering / Materials Engineering / Material Science and Technology/ Semiconductor Materials and Technology/ Computational Materials Engineering/ Steel Technology/ Extractive Metallurgy /Process Metallurgy/ Iron making and Steel Making/ Mineral Processing/Advanced Materials / Functional Materials/Physical Metallurgy / Mechanical Metallurgy/ Industrial Metallurgy/ Welding Engineering/ Foundry Engineering/ Welding Technology and Non-Destructive Testing/ Ceramic Engineering/ Ceramic Technology/ Electronic Ceramics/ Polymer Engineering/ Polymer Science and Technology/ Nanotechnology/ Corrosion Science & Engineering/ Bioengineering/ Related specializations of Metallurgy and Materials Engineering.

			and Ph.D. (or Direct PhD after BE/BTech) with specialization in Semiconductor Materials and Devices/ Materials for Renewable energy/ AI and ML in Materials Engineering/ Computational Materials Science/ Integrated Computational Materials Engineering/ Hydrogen storage Materials/ Sustainable Materials and Processes/ Additive Manufacturing/ Digital Twin Technology in Materials Engineering/ Magnetic Materials/ Electronic materials/Non-crystalline Materials/ High Temperature Materials/Nuclear Materials/ Strategic Materials for Space and Defence/ Smart Materials/ Metal recovery from (E-) waste/ Process Metallurgy/Extractive Metallurgy/ Green Steel Making/ Iron making and Steel Making/ Mineral Processing/ Rare Earth Processing/Solidification Processing/Non-ferrous foundry practice/Physical Metallurgy/ Non-destructive testing/ Ceramic Engineering /Polymer Technology / Electro-chemical Engineering/ Nanotechnology/ Functional Materials/Materials for Nanophotonics/ Fuel Cells / Recycling of Materials/ Rare Earth Processing /Surface Engineering/ Biomaterials and Medical Devices/ Advanced Manufacturing Processes/ Advanced Materials Processing/ Robotics & Automation in Materials Engineering/ Circular Economy/Any Emerging Areas of Specialization related to Metallurgy, Materials Science and Materials Engineering.
		Associate Professor Pay Level 13A2	B.E/B.Tech and ME/MTech/ MS (by Research) in Metallurgical Engineering, Materials Science, Metallurgy and Material Science, Metallurgical and Materials Engineering, and PhD with specialization in Nanofluids and simulation, Magnesium alloys and Advanced forming processes
		Professor Pay Level 14A	B.E/B.Tech in Metallurgy, Materials Science, Metallurgy and Material Science and allied discipline, M.E/M.Tech in Welding Engineering and PhD with specialization in Friction stir processing (FSP)
13.	Production Engineering (PR)	Assistant Professor (Grade-I) Pay Level 12	B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering/ Mechatronics / Automobile Engineering. M.E. / M.Tech. / M.S. in Manufacturing Technology, Production Technology, Production Engineering, Manufacturing Engineering, Manufacturing Science, Industrial Engineering, Industrial Management, Industrial Systems Engineering, Operations Research, Operations Management, Supply Chain Management, Supply Chain Analytics, Logistics Management, CIM, Maintenance Engineering,

			<p>Product design and development, CAD & Manufacturing, Mechatronics Engineering, CAD/CAM and Automation, Additive Manufacturing, Integrated Design and Manufacturing, Artificial Intelligence and Machine Learning, Data Analytics, and Data science.</p> <p>Ph.D. field of Specialization: Operations Research, Operations Management, Supply Chain Management, Supply Chain Analytics, Logistics Management, Data Analytics / Data Science, Maintenance Engineering, Quality Engineering, Human Factors Engineering, Flexible Manufacturing, Smart Manufacturing, Digital Manufacturing, Supply Chain Management, System simulation, Robotics, Automation, Industry 4.0, Artificial Intelligence and Machine Learning, Data Analytics, and Data science, Quantum and Edge Computing in Manufacturing Technology, Quantum and Edge Computing in Industrial Engineering.</p>
		<p>Associate Professor Pay Level 13A2</p>	<p>B.E. / B.Tech. in Production / Manufacturing / Mechanical / Industrial Engineering/ Mechatronics / Automobile Engineering.</p> <p>M.E. / M.Tech. / M.S. in Manufacturing Technology, Production Technology, Production Engineering, Manufacturing Engineering, Manufacturing Science, Industrial Engineering, Industrial Management, Industrial Systems Engineering, Operations Research, Operations Management, Supply Chain Management, Supply Chain Analytics, Logistics Management, CIM, Maintenance Engineering, Robotics and Automation, Product design and development, CAD & Manufacturing, Mechatronics Engineering, CAD/CAM and Automation, Additive Manufacturing, Integrated Design and Manufacturing.</p> <p>Ph.D. field of Specialization: Operations Research, Operations Management, Supply Chain Management, Supply Chain Analytics, Logistics Management, Data Analytics / Data Science, Maintenance Engineering, Quality Engineering, Flexible Manufacturing, Smart Manufacturing, Digital Manufacturing, Supply Chain Management, System simulation, Robotics, Automation, Industry 4.0, Artificial Intelligence and Machine Learning, Data Analytics, and Data science, Quantum and Edge Computing in Manufacturing Technology, Quantum and Edge Computing in Industrial Engineering.</p>

14.	Education (ED)	Associate Professor Pay Level 13A2	PG degree in relevant subject (Psychology/Physics/Chemistry/Mathematics) B.Ed, M.Ed. / M.Ed. with specialization Ph.D. in Education Desirable: National Eligibility Test or State Level Eligibility Test
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