



**Admission to PhD (Full-Time and Part-Time) Programme in Engineering, Sciences,
Humanities and Management for the Academic Year 2026-2027
(Session July, 2026)**

Applications are invited for admission to various PhD (Full-Time and Part-Time) Programme in Engineering, Sciences, Humanities and Management for the Academic Year 2026-2027 (Session July, 2026).

S. No.	PhD Program	Remarks
1	Ph.D. Full-Time (REGULAR)	(i) Candidates who have qualified GATE/UGC-NET/Inspire Fellows are eligible to apply for these programs without appearing in the National Level test for admission to PhD programs conducted by NIT Jalandhar. These candidates after verification of their eligibility by the concerned departments/centre will be called for Interview/presentation. (Further details are available in this advertisement). (ii) Candidates who are not GATE/NET qualified can also apply for the admissions. NIT Jalandhar will conduct a National Level test for admission to PhD programs as per the schedule in this advertisement. Candidates who qualify the test will be eligible/shortlisted to appear in Interview/presentation to be conducted by departments. (Further details are available in this advertisement- Institute fellowship will be awarded as per clause B1(ii) of this advertisement).
2	Ph.D. Full-Time (SPONSORED)	
3	Ph.D. Full-Time (SELF-SPONSORED)	
4	Ph.D. (Part-Time EMPLOYED/EXTERNAL)	
5	Ph.D. (Part-Time) PROJECT STAFF)	
6	Ph.D. (Full-Time) with external fellowships like JRF/DST INSPIRE etc.	The candidate who has already secured funding/fellowship from reputed external agencies like JRF/DST INSPIRE etc. can apply for admission to Ph.D. (Full-Time) programme under this category.
7	PhD (Split Site- Full Time)	Research scholars (JRF/SRFs) who are working with selected Research laboratories/Institutes having MOU with Institute (NITJ) will be offered admission to PhD Program under Split Site-Full Time category subject to fulfilment of all the eligibility conditions for admission to full time PhD program (REGULAR) of Institute.
(The admission to all Ph.D. programmes in all disciplines mentioned in this advertisement shall be made purely on the basis of “interview/presentation” to be made by the shortlisted applicants in their proposed area of research followed by “interaction” to be conducted by the respective Department Admission Committee. Mere shortlisting/eligibility based upon any Tests above, of an applicant does not confirm admission to Ph.D. Programme)		

The Broad areas of Research, Eligibility Criteria, Selection Procedure, Reservation, Teaching Assistantship-cum-Scholarship, etc. are also given in this advertisement.

How to apply: The link to fill the online application form can be accessed through Institute website www.nitj.ac.in. Please submit separate application forms, if applying for more than one programme. An application fee of Rs.1000/- (Rs.500/- for SC/ST/PWD candidates) is required to be paid online. The candidates are required to apply online latest by **04.05.2026** and there is no requirement to send the Hard Copy of the application form to the Institute. Application fee shall not be refunded in any case.

1. Submission of online application form is from **09.04.2026 to 04.05.2026** for all admission aspiring candidates (GATE/JRF/UGC NET/INSPIRE Fellows/any other national level fellowship holder and Non-GATE candidates).

Detailed guidelines/norms for the conduct of National Level test is available at Annexure-A.



A) (i) **BROAD AREAS OF RESEARCH - Ph.D. (Full-Time, Part-Time)**

Sr. No.	Department Email address of HOD	Broad Areas of Research
01	Biotechnology obt@nitj.ac.in	AI/ML in Bio-manufacturing, Applied Microbiology, Algal Bio-refinery / Biotechnology, Anaerobic digestion, Bio-manufacturing, Biofilms, Biofuels/Bioenergy, Bioinformatics, Biomaterials, Biomass valorization, Bioplastic, Biopolymers/functionalized polymers, Bioprocess and Bioreactor Design, Bioremediation, Metabolites and Bio-refinery, Biological Hydrogen Production, Carbon sequestration Clinical Biotechnology, Computational Biology, Critical metal recovery, Development of Novel Membrane, Drug Delivery System, Enzyme and Protein Engineering, Emerging pollutant removal, Microbial fermentation, Food Biotechnology, Industrial Biotechnology, Medicinal Chemistry, Microbial Fuel Cell, Membrane Technology, Microbial and Environmental Biotechnology, Nano biotechnology, Nano materials, Packaging, Proteomics, PFAS/PFOS removal, Resource recovery, Tissue Engineering, Water filtration, Waste management, Waste valorization, Wastewater treatment
02	Chemical Engineering och@nitj.ac.in	Energy and Environmental Engineering, Nanomaterials for CO ₂ capture and utilization, Biomass to value added products, CO ₂ Sequestration, Multiphase Reactions, Mineral Carbonation, Waste Utilization and Management, Polymer Films, Edible Films and Coatings, Modeling and simulation, Environmental Engineering, Social and Economic Engineering, Green Energy and processes, biomaterials and processes, Polymer nanocomposites, Softmatter, Molecular simulations, Ultrasoftoloids, Photocatalysis, Waste to Energy
03	Civil Engineering oce@nitj.ac.in	Geotechnical Engineering, Structural Engineering, Transportation Engineering, Environmental Engineering, Geo-Environmental Engineering, Hydraulic & Water Resources Engineering, AI/ML and GIS Applications in Water Resources Engineering, Construction Engineering & Management
04	Computer Science & Engineering ocs@nitj.ac.in	UAV Communication, Internet of Things (IoT), Network Security, Information Security, Wireless Networks, Real-time Scheduling Theory, Safety-critical System Design, Cloud Computing, Device-to-Device Communication, Opportunistic and Mobile Ad hoc Networks, AI & Machine Learning, Network Security, AI, Image processing, Computer Vision, Deep Learning, Time Series Forecasting, Renewable Energy, Edge Computing, Vehicular Networks, Reinforcement Learning, Data Mining in Software Engineering, Information Retrieval, NLP, Social Network, Machine Learning, Distributed Computing (Cloud/Fog/Edge), Digital Twin, Health-Care 5.0, AI in Digital Healthcare
05	Electrical Engineering oece@nitj.ac.in	Power System, State Estimation, Smart Grid, Cyber Security, Machine learning, Deep learning, condition monitoring of power equipment, remaining useful life estimation, explainable AI, Neuromorphic computations, Energy management system, power system transients, EMF theory, High Voltage Engineering, Electric drive and control, power electronics, multilevel inverter, Power Quality issues, smart micro grid (AC/DC/Hybrid) Interconnection of Micro grids, Hybrid Renewable energy systems, Distributed generations, PWM based voltage source converters, application of power electronics in power systems, EV infrastructures, Solar PV system, fuel cell technology., wind Turbine Technology, Power Network Protection and relaying, Adaptive & Wide-Area Protection, Synchrophasors and their applications, Volt-VAR optimisation using Smart inverters, and Cyber-Physical Security in Protection & Voltage Control.

Sr. No.	Department Email address of HOD	Broad Areas of Research
06	Electronics & Communication Engineering oec@nitj.ac.in	Biomedical Signal/Image processing, AI/ML, Health care, Telehealth care, Physiological variability analysis, Filter banks, Medical image processing, VANETs Routing and clustering, 5G, 6G Optical Quantum Communication, Biosensors in VLSI device and Circuits, Nanoscale Semiconductor Devices, Low Power Memories Design for AI Applications, RF Active, Passive Circuits, and Antenna Design, Trustworthy AI, Metasurface, EMT Sensors, IoT and MAC protocol, RFICs, MMICs, Radar, GaN HEMT Devices, 2D Materials and Device Modeling,
07	Information Technology oit@nitj.ac.in	Artificial Intelligence, Machine Learning, Metaheuristics, Bioinformatics, Image Mining, Soft Computing, Cloud Computing, Sensor Networks, IoT, Big Data Analytics, Body Area Networks, Fog Computing, Edge Computing, Image Processing, NLP, Blockchain, Federated Learning, XAI Cyber Security, Applied Cryptography, Quantum Cryptography, Privacy, Digital Forensic. Applied Data Science, Smart Agriculture, AI assisted, Environment Sensing, Data Science, Medical Image and video Analysis, Computer vision
08	Instrumentation & Control Engineering oic@nitj.ac.in	Feto-maternal Monitoring, AI in Robotics, Digital Signal Processing, Measurement and Instrumentation, Biomedical Signal Processing, Image reconstruction, Sensors fusion, Robotics, Digital image processing and analysis, Computer/ machine vision with DL/ML, WSN, VANET IIOT, Cyber physical system, Smart sensors, Intelligent sensor systems, AI based Virtual instrumentation system, smart agriculture, digital health care, Microgrids, Power System Operation and Control, Machine Intelligence, Applications of Soft Computing, Artificial Intelligence, Machine Learning, Deep Learning, Cognitive Load Theory, human Machine Interface, Drone intelligence, Process Control, Signal-Image-Video Processing, Quantum Learning, Cyber Security, Aerial Robotic (Drone Technology), Neuro rehabilitation, Human-Robot Interaction, Biomedical instrumentation, Machine Learning for biomedical engineering, Soft computing in biomedical applications, Control Theory and Applications, Circuit Design, Model Order Reduction, Optimization, UAVs, DC-DC Converters and Renewable Energy, Control Systems, AI Techniques, Electric Vehicle, Brain-Computer Interface, Human-Robot control, Biomedical Instrumentation and Control, Time Series Forecasting, Predictive Modeling in Healthcare, AL/ML applications, Controller Design, Advanced Active Suspension Control for Railway Vehicle, Predictive Health Analytics and Modeling, Smart Wearables for Cardiac Monitoring, AI-Driven Computer Vision and Remote Sensing, Biophotonics, Biosensor, cancer diagnostics, Advanced signal processing for Drone (Defence), Photoacoustic, Laser generated ultrasound for imaging and sensing, Drone detection and classifications, Robust and Resilient Control, Cyber Physical Systems & Control, Post Quantum Security Analysis, Digital Twin, Autonomous Systems, Reinforcement Learning, MicroGrid, Modern Power System Operation, control and stability, Power Electronics Converters, Battery Monitoring Systems
09	Industrial & Production Engineering oie@nitj.ac.in	Supply Chain Management, Circular Economy, Life cycle assessment, sustainability and zero emission, non-traditional machining, surface coatings, Operations Management , Lean Manufacturing, Reliability and Maintenance Engineering, Operations Management, Data Analytics, Advance Manufacturing, Quality Management , Ergonomics, Logistics and Supply Chain Management LCA, Industrial Engineering, Entrepreneurship, Industrial Psychology, Manufacturing Systems Design, Fracture Mechanics, Fatigue Crack Growth, Welding, Tribology, ML in Manufacturing, Surface Engineering; Thermal spray Coatings, Laser Surface-Texturing, Superhydrophobic Surfaces, Additive Manufacturing, Additive manufacturing of multifunctional materials, Microwave processing of materials, Magnetic abrasive finishing, Nanofinishing, Metal matrix nanocomposite, Magnesium-based bioimplant, Unconventional manufacturing, AI/ML implementation in additive manufacturing domain; Investigation on under water welding or additive manufacturing process,

Sr. No.	Department Email address of HOD	Broad Areas of Research
		Numerical and Experimental Investigation of Additively Manufactured Super alloys and functionally graded materials, Mathematical Modelling, Optimization, Perishable Inventory Management, Data Analytics, Machine Learning Process
10	Mechanical Engineering ome@nitj.ac.in	Robotics, Mechatronics, System Dynamics & Control, Modeling and Simulation of Physical System Dynamics, Biomechanics, Bond graph, Heat Transfer, Fluid Mechanics, CFD, Renewable Energy, Applied Energy, Combustion, Swirling and non-swirling flames, Composite Materials, Renewable Energy, Composite Materials, Welding Technology, Thermal Polygeneration Systems Solar Thermal Energy Advanced Power Cycles Desalination & Water Purification Waste Heat Recovery Integrated Energy Systems, Vibration composites, condition Monitoring, Refrigeration and Aind Conditioning, Heat Exchangers, Solar Energy, Spray Cooling, Low temperature combustion, lternative fuels for IC Engines, IC engine combustion, Fluid Flow and CFD, Heat Transfer, Solar Thermal Energy, Metal Matrix Composites (MMCs), Welding Technology with Finite Element Method (FEM), Damage & Fracture Mechanics, Ballistic Impact Analysis, Computer Aided Engineering, and Finite Element Methods, Finite element methods, Modal Analysis, Microwave processing of materials, Vibration engineering, Heat Transfer, Refrigeration Energy, Machine learning, Composite Tribology, Material Development & Characterization, Thermal and Fluid Engineering, CFD and Heat transfer, Solar Collectors, Optimization of thermal systems, Building Science, Solar Thermal Engineering, Nanotechnology Applications , Nanofluids, battery thermal management systems, solar thermal technology, and thermal management of electronic devices, molecular dynamics, Tribology , Additive Manufacturing, Hybrid Machining, Surface Engineering, Solar Thermal Technologies, Product Design and Innovation, Advanced Hybrid Manufacturing Processes and Technologies: Dieless Manufacturing, Additive Manufacturing; Computer Aided Design and Analysis: Topology Optimization, Biologically Inspired Design, Bio-CAD
11	Textile Technology otx@nitj.ac.in	Technical Textiles, Fabric Structure- Property relationship, Medical Textiles, Textile wet processing of fibre, yarn, textiles and technical textiles, bioprocessing of textless, specialty finishes such as antibacterial, UV protective, electro conductive, etc. finishing of textiles, Technical Textile Yarn, Textile Waste upcycling 3D woven preforms and their composites, Textile based strain monitoring composites sensors, Textile chemical Processing, Sustainable Chemical Processing of Textiles, Biopolymers, Porous Polymers, Electrospinning, Emulsion Templating Fibers and Polymer Processing, Gel-spun fibre, Nanocomposite fibre, UHMWPE tape, High performance fibre, Protective Textiles Filtration, Thermoplastic composites and Shear thickening fluid, Laminates, natural fibre reinforced composite biodegradable composite, Natural and new age piant-based fibre, Machine development, Knitting Technology, Shape Memory Textiles, Smart and Functional Textiles, Structural Property, Relation of Textiles
12	Humanities & Management ohm@nitj.ac.in	Management Area: General Management, Human Resource Management, Marketing Management and, Entrepreneurship Development and Management, Green Finance, SDGs/ ESG, Behavioural Finance, Financial Economics, Fintech, Entrepreneurship, Financial Management, Corporate Governance, Emerging Finance Areas, AI-Powered Chatbots on Customer Experience, Brand Loyalty, Role of Augmented Reality (AR), Neuromarketing, Green Consumerism, Effect of Green Marketing, Sustainable Branding, Ethical Dilemmas in Marketing, Emotional Branding and sustainable consumption, Financial Accounting, Financial Management, Sustainable Finance, Climate Finance, Stock Markets, Financial Analytics, Intersection of Economics, trade, and/ or finance, Bankruptcy Prediction, Financial Distress Prediction, Financial Performance, Corporate Finance, Mutual Funds, Banking Sector, Crowdfunding, Security Analysis, HR/OB/ Algorithmic Management in the Workplace / Occupational Ergonomics / Developmental Psychology /

Sr. No.	Department Email address of HOD	Broad Areas of Research
		<p>Healthcare Management/ Science Policy & Public Policy Management/ Social Entrepreneurship & Innovation/ Econometrics- Development Studies & Labour Economics/ Foodservice & Tourism Sciences, Consumer Behaviour, Brand Management, Technology in Management, Human-Technology interaction, Digital marketing, Social media marketing, Internet marketing, Product marketing, digital financial service marketing,</p> <p>Humanities Area: English Language and Literature, ELT, Professional Communication, Linguistics, Gender Studies and Culture Studies, Feminism, Transgender, Queer, Men studies, Diaspora, Postcolonial Theory, Comparative Literature, Culture, Media, Performance Studies, Soft Skills, Folkloristics, Literature of Northeast India, Culinary Literature, Bhakti Tradition, Ecofeminism, Interdisciplinary Studies, Literature and Science, Science on Stage, Philosophy of Science, Theatre and Drama, Forensic Linguistics, Sociolinguistics, Language Variation and Change, Language Acquisition, Language Documentation and Description, Folklore Documentation, Applied Linguistics</p>
13	Physics oph@nitj.ac.in	Laser Plasma Interactions, Theoretical Nuclear Physics, Radiation Physics, Experimental Nuclear Physics, Experimental Soft condensed matter Physics (liquid crystals); Nanomaterials, Theoretical High Energy Physics, Quantum Thermodynamics, Nuclear reaction theory and Nuclear Astrophysics, Experimental Condensed Matter Physics; Theoretical Condensed Matter Physics.
14	Chemistry ocy@nitj.ac.in	<p>Green and Sustainable nanotechnology: Applications of Green Nanomaterials for Wastewater Treatment; Environmental remediation; sensing and removal of organic analytes, Coordination architectures for energy and environmental applications, Nanochemistry; Nanoscale Coordination polymers; Supramolecular Chemistry and their applications in Sensing and Catalysis; Computational Chemistry, Synthesis of organic compounds and functional materials for Designing chemosensors and biosensors for various environmental and biomedical applications, Smart Polymers, Drug Delivery, Dye Removal Sensing, Smart and Functional Materials, Advanced Porous and Nanostructured Materials, Nanomaterials for Catalytic Applications, Heterogeneous Catalysis, Carbon Capture, Storage, and Utilization (CCUS),</p> <p>Sustainable Energy and Environmental Applications, Development of materials for sustainable environment monitoring and remediation, catalysis, Design of Liquid crystal aqueous interfaces (i) to study various bio molecular events for biomedical applications (ii) for chemo and bio-sensing (iii) for catalysis, (iv) environment sustainability and remediation., Covalent organic frameworks for energy and environmental applications; Transition-metal-free organic transformations for applications in materials and medicine., Title of the Specific Research Problem Electrode Materials Derived from Plastic Wastes</p> <p>Thematic area out of the above-mentioned areas Sustainable development, Design and synthesis of advanced nanomaterials for sensing, catalysis, and energy-transfer applications through molecular engineering to develop sustainable and high-performance chemical systems, Ionic Liquid, Wettability, Oil-Water Separation</p>

15	Mathematics and Computing oma@nitj.ac.in	Deep learning for solution of partial differential equations, Time series analysis and forecasting, Fluid Dynamics, Differential Equations with Applications, Neural Networks and their Applications, Inequalities, Controllability, Linear and Nonlinear Control Systems, Fractional Differential Equations, Synchronization of Neural Networks, Fuzzy Optimization, Non-linear, Transportation Optimization, Machine Learning, Deep learning, Quantum Machine learning, Biological data analysis, Cloud Computing, Edge Computing, Spatial Informatics, Optimization, Time Series methods in healthcare, Numerical Analysis, Numerical methods for PDEs, Finite Element Methods, Cloud Computing, AI, Commutative Algebra, Mathematical Statistics, Sampling Techniques and Data Analysis, Estimation, Algorithms, Partial Differential Equations, Hyperbolic Conservation Laws, Real Analysis, Fixed Point Theory, Fractal Geometry, Quantization
Sr. No.	Department Email address of HOD	Broad Areas of Research
16	Centre for Energy and Environment occe@nitj.ac.in	CO2 Sequestration, Mineral Carbonation, Bio-Polymers, Modeling and Simulation, Environmental Engineering, Green Energy and Processes, Biomaterials and Processes, Advance Oxidation Processes, Renewable Energy, Waste to Energy, Biomass, Fuel Cell, Green Hydrogen Production, Digital Twin, Battery Monitoring Systems, Electric Vehicles, Power Electronics Converters, Micro-Grid, Modern Power System Operation, AI in environment engineering.
17	Sports and Healthcare Research Centre arunangshu@nitj.ac.in	Biomedical Signal/Image Processing, Digital Signal Processing and Its Applications, Biosensors in VLSI devices and Circuits, AI in Health Care, Physiological variability, Filter Banks Medical Textiles, Biopolymers, Porous Polymers, Electrospinning, Fibers and Polymer Processing, Biomaterials, Tissue Engineering, Nano-Biotechnology, Waste Valorization, Computational Biology, Drug Delivery System, Medicinal Chemistry, AI in Bio-manufacturing, Clinical, Biotechnology Food and nutrition, Ergonomics, Logistics and Supply Chain Management LCA, Healthcare data analytics, Human biomechanics, and Gait analysis, Indigenous smart wearable healthcare devices; Physiological system modelling; AI-enabled biomedical signal analysis, Biomechanics, Biomedical Instrumentation and control, Rehabilitation and Assistive devices, Neurorehabilitation, BCI, Generative AI, Time Series Forecasting, Predictive Modeling in Healthcare, AI assisted healthcare, Machine learning, Deep learning
18	Centre for for Artificial Intelligence ocai@nitj.ac.in	IOT, Device to Device Communication, Opportunities and Mobile Ad hoc Network, AI & Machine Learning, Network Security, Machine/Deep/Quantum Learning and its application, Signal, Image, and Video Processing, AI-Driven Computer Vision and Remote Sensing, AI-Powered Aerial Robotics and Anti-Drone Solutions, Control and Optimization: Theory and Applications, Adversarial Machine Learning, Explainable AI, AI Security, Deepfakes, AI/ML for Cloud Computing, Social Network Analysis, Blockchain etc

A (ii). The list of specific PhD research topics along with the proposed supervisor in Indigenous technology development, socially relevant research of various department of the Institute is attached at **Annexure-B**.

B) Eligibility Criteria

1) Ph.D. Full-Time (REGULAR)

(i) Educational Qualifications-

(a) PhD in Engineering Departments (Sr. No. 1 to 11 & 16):

- Master's Degree in Engineering/Technology/Science in the relevant area of research along with a Bachelor Degree with first-class or minimum 60% marks or minimum CGPA of 6.5 on a 10 point scale or equivalent in the qualifying examination.
- For all Engineering Departments (Sr. No. 1 to 11 & 16), **direct Ph.D. admission** is also available in case of candidates with B Tech/B.E./BS (4 year)/department specific eligibility as per Annexure –C. It is mandatory for such candidates to have a **valid GATE score and a CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination for admission to Direct Ph.D. programme of the Institute with Institute Fellowship. For these candidates, the number of credit courses to be cleared will be 24 credits before the comprehensive examination

(b) PhD in Science Departments: Master's degree in Science/Engineering/Technology in a relevant area with a first-class or minimum 60% marks or minimum CGPA of 6.5 on a 10 point scale or equivalent in the qualifying examination.

(c) PhD in Humanities and Social Sciences/Management: Master's degree in a relevant area with at least 60% marks or a CGPA of 6.5 on 10 point-scale equivalent in the qualifying examination.

[\(DETAILED DEPARTMENT SPECIFIC EDUCATIONAL QUALIFICATIONS ARE LISTED IN ANNEXURE-C of this Advertisement\)](#)

(ii) **ESSENTIAL REQUIREMENTS FOR AWARD OF INSTITUTE FELLOWSHIP/FINANCIAL ASSISTANTSHIP-**

Following candidates are eligible for Fellowship from the institute/ from the external funding agency -

- a) Candidates with ME/M.Tech. or equivalent degree having **qualified GATE** examination.
- b) The candidates with four-year Bachelor's degree (BE/ B.Tech./B.Des. or equivalent) as qualifying degree must have a **valid and qualifying GATE score**.
- c) The candidates with MSc as qualifying degree must have **valid and qualifying GATE score or valid CSIR- NET(JRF)/UGC NET, INSPIRE/NBHM-PhD qualification**, etc.
- d) The candidates having MA in Humanities and Social Sciences subjects or /equivalent/commerce/Management Degrees must have **valid UGC-NET qualification**.
- e) **Candidates with ME/M.Tech. qualifications** who qualify National Level test conducted by NIT Jalandhar for admission to PhD full time program (Session July 2026) in Engineering Departments/Centres, and are recommended by interaction/interview committee, will also be awarded Institute Fellowship.

2) Ph.D. FULL-TIME (SPONSORED)

- (i) A candidate in this category is sponsored by a recognized R&D organization, academic institution, government organization or industry for doing research in the Institute on a full- time basis. The Institute does not provide any fellowship to such a candidate.
- (ii) The candidate under this category must be a regular employee of his/her organization with at least one year of experience at the time of applying and be engaged in professional work in the discipline in which admission is sought.
- (iii) The candidate should submit Sponsorship Letter from the employer along with the application. The application without Sponsorship Letter will NOT be considered.
- (iv) **Appearing & Qualifying the National level PhD admission test of NIT Jalandhar (applicable in case of non-GATE/non NET/JRF etc. candidates) is essential to be shortlisted for interview/presentation.**
- (v) The admission to all Ph.D. programmes in all disciplines mentioned in this advertisement shall be made purely on the basis of a “presentation” to be made by the shortlisted applicants in their proposed area of research followed by “interaction” to be conducted by the respective Department Admission Committee. Mere shortlisting/eligibility of an applicant does not confirm admission to Ph.D. Programme
- (vi) **The final admission to the candidates under this category is based on the performance in the written test and/or interview conducted by the concerned academic department/center, academic credentials of the candidates, etc.**
- (vii) These candidates, if selected, will not be provided any fellowship/contingency grant by the Institute.

3) Ph.D. FULL-TIME (SELF-SPONSORED)

- (i) The candidates under PhD Full-Time Self-Sponsored programme will be admitted without financial assistantship from NIT Jalandhar.
- (ii) The students under this category must be able to attend classes regularly as per the schedule of the Institute during the course work and do research work by reporting every day to the supervisor/department.
- (iii) **Appearing & Qualifying the National level PhD admission test of NIT Jalandhar (applicable in case of non-GATE/non NET/JRF etc. candidates) is essential to be shortlisted for interview/presentation.**
- (iv) The admission to all Ph.D. programmes in all disciplines mentioned in this advertisement shall be made purely on the basis of a “presentation” to be made by the shortlisted applicants in their proposed area of research followed by “interaction” to be conducted by the respective Department Admission Committee. Mere shortlisting/eligibility of an applicant does not confirm admission to Ph.D. Programme
- (v) These candidates, if selected, will not be provided any fellowship/contingency grant by the Institute.

4) Ph.D. programmes (PART-TIME EMPLOYED/EXTERNAL):

A RS in this category is a professionally employed person (including the staff of NIT Jalandhar), who pursues the PhD Programme while continuing the duties of his/her service. The Institute does not provide any assistantship/fellowship to such a RS. Such candidates have to submit a “No Objection

Certificate” from their employer, failing which their candidature will not be considered.

- (i) The candidates under PhD Part-Time Employed/External programme are professionally employed persons (including regular employees of NIT Jalandhar) or sponsored by a recognized R&D organization, academic institution, government organization or industry with adequate Research Facilities for doing PhD at NIT Jalandhar. These candidates should be able to complete their course work as per the Institute norms.
- (ii) The candidate under this category must be a regular employee of his/her organization with at least one year’s of experience at the time of applying and be engaged in professional work in the discipline in which admission is sought.
- (iii) The PhD student under external category may be carry out the PhD Thesis Research Work mainly at his/her parent organization under a Local Supervisor but with the overall guidance provided by a faculty member (NITJ Main Supervisor).
- (iv) The candidate under this category must be a regular employee of his/her organization with at least 1-year of experience at the time of applying and be engaged in professional work in the discipline in which admission is sought.
- (v) They should submit No Objection Certificate from the employer along with the application. The application without No Objection Certificate will NOT be considered.
- (vi) **Appearing & Qualifying the National level PhD admission test of NIT Jalandhar (applicable in case of non-GATE/non NET/JRF etc. candidates) is essential to be shortlisted for interview/presentation.**
- (vii) The admission to all Ph.D. programmes in all disciplines mentioned in this advertisement shall be made purely on the basis of a “presentation” to be made by the shortlisted applicants in their proposed area of research followed by “interaction” to be conducted by the respective Department Admission Committee. Mere shortlisting/eligibility of an applicant does not confirm admission to Ph.D. Programme
- (viii) These candidates, if selected, will not be provided any fellowship/contingency grant by the Institute.

For a foreign national candidate who applies through Ministry of Human Resource Development, Govt. of India, or Indian Council of Cultural Relations, Govt. of India, are eligible to apply provided that they possess the same minimum qualifications as required for Ph.D. admission in case of Regular candidates.

5) Ph.D. (Full-Time) with external fellowships like JRF/DST INSPIRE etc.

The candidate who has already secured funding/fellowship from reputed external agencies like JRF/DST INSPIRE etc. can also apply for admission to Ph.D. (Full-Time) programme. These candidates, if selected, will not be provided any fellowship/contingency grant by the Institute.

6) Ph.D. (PART-TIME PROJECT STAFF) for candidates/staff working under the Research Projects sponsored by MHRD/DST/UGC or some other government agency at NIT, Jalandhar/any other institute

Candidates/staff working under the Research Projects sponsored by MHRD/DST/UGC or some other government agency at NIT, Jalandhar/any other institute may pursue PhD under Part Time Category subject to the fulfilment of the following eligibility conditions:

- (i) The candidates under Project Staff and Part Time Category are presently working on sponsored R&D projects at NIT Jalandhar/any other Institute.
- (ii) They pursue PhD programme at the Institute on part time basis.
- (iii) The remaining duration of the project at the time of admission should be at least one year. If the project gets completed before the student completes his/her PhD Programme, then his/her category will be converted to that of SELF-FINANCED unless he/she is absorbed in some other R&D Projects or he/she is granted a fellowship from any other agency.
- (iv) They are not entitled to receive Fellowship from the Institute.
- (v) They should submit No Objection Certificate from the Dean-R&C, NIT Jalandhar/concerned PI of that Institute along with the application. The application without No Objection Certificate will NOT be considered.
- (vi) **Appearing & Qualifying the National level PhD admission test of NIT Jalandhar (applicable in case of non-GATE/non NET/JRF etc. candidates) is essential to be shortlisted for interview/presentation.**
- (vii) The admission to all Ph.D. programmes in all disciplines mentioned in this advertisement shall be made purely on the basis of a “presentation” to be made by the shortlisted applicants in their proposed area of research followed by “interaction” to be conducted by the respective Department Admission Committee. Mere shortlisting/eligibility of an applicant does not confirm admission to Ph.D. Programme
- (viii) These candidates, if selected, will not be provided any fellowship/contingency grant by the Institute.

7) PhD (Split Site- Full Time):

Research scholars (JRF/SRFs) who are working with selected Research laboratories/Institutes having MOU with Institute (NITJ) will be offered admission to PhD Program under Split Site-Full Time category subject to fulfilment of all the eligibility conditions for admission to full time PhD program (REGULAR) of Institute. Fellowship for all such candidates will not be offered by Institute and will continue to be paid by the concerned research institute/laboratory.

The Institute will follow the below mentioned procedure for enrolment in PhD (Full Time-Split Site) category-

- i. JRF/SRFs working at Research laboratory/Institute (with fellowship) having MOU with NITJ can apply for admission in any department at NITJ through regular admission process for Ph.D. as per the rules and regulation of NITJ. If found eligible and admitted under this category, the research scholars shall be governed by all the PhD regulations of NITJ as applicable.
- ii. The program would consist of course work and research work.
- iii. The course work shall be carried out at NITJ as per institute provisions/at research institute/laboratory, and if agreed, by the faculty/scientists of both the institutes in collaboration.
- iv. The research work can be carried out at Research Institute/laboratory and/or NITJ premises.
- v. JRF/SRFs (with fellowship from Research Institute/laboratory) registered at NITJ under PhD (Full Time-Split Site) category as Ph.D. scholars will be jointly supervised by faculty of NITJ and scientists of research institute/laboratory as per provisions contained in NITJ PhD regulations.
- vi. Faculty/scientists of both the research institute/laboratory and NITJ can be designated as main

supervisors of the registered PhD scholar.

The academic qualifications for the programmes mentioned at Sr. No. 2, 3, 4, 5, 6 & 7 will be same as that for Ph.D. (Full-Time) as mentioned at Sr. No. B (1).

Note 1: Only primary mode of evaluation (CGPA or percentage) as mentioned in the qualifying degree certificate/mark sheet will be considered while verifying eligibility. Conversion from CGPA to percentage or vice versa given by individual Institute/University will not be allowed

Note 2: For the SC / ST / PwD applicants, the eligibility requirement of marks be relaxed by 5%, or by a CGPA of 0.5 (on a 10 point scale) at both the Bachelor's and Master's level.

C) Seat Matrix:

The number of seats depends upon the number of available research guides in the Institute, vacancies available with the guide and research infrastructure in the concerned Department. The admission of candidates to Ph.D. programme depends on the expertise available in a department and the willingness of the candidate to work in the corresponding research areas. The following table shows the tentative number of seats available in various Departments for admission during Academic Year 2026-2027 (Session July, 2026), however, it is not obligatory for the Institute or concerned Department to fill all the seats mentioned in this matrix. The number of seats may increase/decrease as per the vacancies available at the time of admission.

S. No.	Name of Department	Full Time Institute Fellowship Seats						DST/JRF/ Inspire Fellow ship	Part Time at NITJ	Part Time under Projects at NITJ	Self- Spons ored	Total Nos.
		Deptt. wise total seats	UR	OBC- NCL	SC	ST	EWS					
1.	Biotechnology	7	3	2	1	0	1	9	5	5	0	26
2.	Centre for Energy & Environment	11	4	3	2	1	1	8	15	3	0	37
3.	Chemical Engineering	16	6	5	2	1	2	11	18	4	0	49
4.	Chemistry	8	3	2	1	1	1	17	7	2	0	34
5.	Civil Engineering	20	8	5	4	1	2	4	13	0	1	38
6.	Computer Science & Engineering	25	10	7	4	2	2	17	25	5	0	72
7.	Electrical Engineering	9	4	2	1	1	1	0	14	0	0	23
8.	Electronics & Communication Engineering	27	11	7	4	2	3	16	38	13	0	94
9.	Humanities & Management	12	5	3	2	1	1	21	3	0	0	36
10.	Industrial & Production Engineering	14	6	4	2	1	1	0	20	0	0	34
11.	Information Technology	20	8	5	3	2	2	23	46	17	0	106
12.	Instrumentation & Control Engineering	15	6	5	2	1	1	5	20	7	0	47
13.	Mathematics and Computing	12	5	3	2	1	1	17	0	1	0	30
14.	Mechanical Engineering	22	9	6	3	2	2	4	18	3	0	47
15.	Physics	10	4	3	1	1	1	14	1	1	0	26
16.	Textile Technology	7	3	2	1	0	1	1	7	3	0	18
17.	Sports and Healthcare Research Centre	5	2	1	1	0	1	5	11	5	0	26
18.	Centre for Artificial Intelligence	0	0	0	0	0	0	3	5	5	0	13
TOTAL		240	97	65	36	18	24	175	266	74	1	756

NOTE: UR means Unreserved Seats and any candidate can apply under this category of seats subject to the condition that he/she will not be granted any relaxation in the qualifying marks/written test marks etc. meant for the reserved category candidates.

Reservation of the Ph.D. (Full-Time) Institute Fellowship Seats shall be as per Government of India norms and number of seats available in the respective Department. Horizontal Reservation of 5% to PwD candidates in each category (UR, EWS, SC, ST, OBC) shall be applicable

Candidates are advised to apply accordingly. No request for admission to a reserved category seat which is 'NIL' as per this advertisement shall be considered.

D) Admission Procedure

- i. **Candidates with GATE/NET (JRF/LS)/ UGC (JRF/LS) /GPAT/ Inspire etc. need not qualify National level PhD Admission test of NIT Jalandhar.** These candidates will be given preference for admission. For all other candidate it is essential to appear and qualify the National level PhD entrance test of NIT Jalandhar. Mere shortlisting of an applicant does not confirm admission to Ph.D. Programme. The admission shall be solely based upon the performance of individuals during “presentation and interaction” and availability of the Supervisor in the proposed area of research.
- ii. The admission to Ph.D. programme (Full-Time/Part-Time) in all disciplines mentioned in this advertisement shall be made purely on the basis of a “presentation” to be made by the shortlisted applicants in their proposed area of research followed by “interaction” to be conducted by the respective Department Admission Committee. Mere shortlisting of an applicant does not confirm admission to Ph.D. Programme.
- iii. Shortlisting/eligibility of candidates (other than GATE/NET (JRF/LS)/ UGC (JRF/LS)/GPAT/ Inspire Fellow) shall be done by Departmental Admission Committee for the process of “presentation and interaction” for the applicants. For this purpose, a National level PhD entrance test shall be conducted by NIT Jalandhar at NIT Jalandhar as per the schedule mentioned in this advertisement. Only those applicants who score marks above the cutoff of 40%, i.e. 24 marks out of 60 for UR category candidates, and 35% i.e. 21 out of 60 for SC/ST/OBC/EWS/PWD candidates in the screening test shall be eligible for presentation and interaction process. Marks obtained in the test shall not be counted for preparation of final merit list of the successful candidates.
- iv. The Pattern of Examination shall be as of GATE and NET examination. The Screening Test will be of MCQ Mode.
- v. The Department Admission Committee for each Department shall recommend the suitable candidates for admission based on its assessment of presentation and interaction. Marks obtained in the National level PhD entrance test of NIT Jalandhar shall not be counted for preparation of final merit list of the successful candidates.
- vi. Merely shortlisting of an applicant does not confirm admission to Ph.D. programme. The admission shall be solely based upon performance of individuals during “presentation and interaction” and availability of the Supervisor in the proposed area of research. The Department Admission Committee/Institute reserves the right not to recommend any candidate for admission to Ph.D. in the respective Department if the performance of the shortlisted candidates is not found satisfactory during “presentation and interaction”. The decision of Department Admission Committee (approved by the competent authority of the Institute) shall be final.
- vii. The merit list of the selected candidates (based on presentation & interaction) shall be prepared on marks basis. A candidate who scores less than 40 marks (out of 100) for “presentation & interaction” shall not be considered “qualified” for admission to Ph.D. programme and his/her name shall not be recommended for admission by Departmental Admission Committee. The list of recommended candidates for admission to Ph.D. (Full-Time) programme shall be made in order of merit.

E) Other Issues

- i. An applicant is required to apply on different application forms by paying separate fee, in case he/she wants his/her candidature to be considered in more than one Department/program.
- ii. Category (UR/EWS/OBC/SC/ST/PWD) once chosen by the applicant in his/her application form shall not be changed at a later stage.
- iii. OBC-NCL/EWS Certificate must have been issued on or after **1st April, 2026** so that the candidates from creamy layer are identified. No certificate issued before this date shall be acceptable.
- iv. All the candidates should ensure that they possess the required educational qualification by the last date of submission of the application under this Advertisement.
- v. **Certificate Checking:** The certificates (in original) of all the candidates recommended for admission shall be checked by the individual Department before deposition of fee by the candidates.
- vi. The candidate (in service) applying for full-time Ph.D. programmes need to apply through proper channel. Any application without “No Objection Certificate” from the employer shall not be considered for shortlisting.
- vii. The application without proof of application fee as applicable/self-attested copies of documents/certificates/testimonials shall be rejected and shall not be considered for shortlisting.

F) Reservation

The reservation rules will be followed as per Government of India guidelines prevailing at the time of admission.

G) Teaching Assistantship-cum-Scholarships

Eligible candidates for stipend cum teaching assistantship shall be paid as per instructions issued by Ministry of Human Resource Development (MHRD) from time to time as mentioned at B1(ii) above.

- (i) No Teaching Assistantship-cum-Scholarships /Scholarship/Fellowship and Contingency grant shall be given to the candidates admitted as under Part-Time Ph.D. programme. However, Stipend-cum-Teaching Assistantship/Scholarship/Fellowship and Contingency grant to the candidate working under the Sponsored Projects coordinated by the faculty of the institute shall be given as per the terms and conditions of the project.
- (ii) In case, the provisional admission is done under some project grant/financial support from other funding agencies, the relevant rules of the funding agency shall be implemented for the disbursement of stipend/scholarship. No financial assistance shall be given by the Institute in such cases. All other criteria of admission to Ph.D. programmes shall remain same for such candidates.
- (iii) Stipend-cum-teaching assistantship for Research Scholars admitted to the appropriate discipline under Institute support shall be started from the date of his/her joining in the Department.

Note:

The RS receiving Institute fellowships is required to perform academic duties of 8 hours per week as assigned by the DPGC.

The RS receiving fellowships from any other external funding agency is also required to perform the academic duties as per the norms of the respective funding agencies.

The continuation of the Institute fellowship or its enhancement is subject to satisfactory academic progress and performance of the assigned duties by the RS as per prevailing norms.

H) Important Dates

For admission under GATE/JRF/UGC NET/INSPIRE Fellows/any other national level fellowship holder and Non-GATE candidates

Sr. No.	Activity	Date
1.	Submission of Applications (Strictly through Online Mode)	09.04.2026 to 04.05.2026
2.	Last Date of application	04.05.2026
3.	Display of list of eligible candidates by the concerned HOD on the Institute website	07.05.2026
4.	Interview for candidates qualified GATE/JRF/UGC NET/INSPIRE Fellows/any other national level fellowship holder	18.05.2026
5.	National Level Test (Non-GATE candidates) (In the New Lecture Theatre, NIT Jalandhar) Through offline (Physical) mode only	19.05.2026
6.	Display of list of candidates eligible for presentation & interaction (based on written test held on 19.05.2026)	19.05.2026 by 5:00 PM
7.	Presentation/interaction by eligible candidates through test Through offline (Physical) mode only	20.05.2026 and 21.05.2026
8.	Display of list of selected candidates	26.05.2026
9.	Deposition of fee (Online)	29.05.2026 to 15.06.2026
10.	Physical Reporting in the Departments/ Document Verification and Constitution of RACs	22.07.2026-24.07.2026
11.	Commencement of Classes	27.07.2026

Note: All the dates mentioned above are tentative and subject to change at any stage by the competent authority. All the candidates interested in seeking admission are requested to visit the Institute website regularly for updates.

I) It is mandatory for all applicants to fill the preferences of prospective supervisors as per the mandatory requirement for admission to Ph.D. Program in the online application form. The research domain of the Faculties is available on the Institute Website www.nitj.ac.in and the candidates can view the same under the Faculty head on the Institute website.

J) All disputes pertaining to the admissions shall fall within the jurisdiction of Jalandhar only.

K) All admissions will be provisional till these are confirmed subject to medical fitness, payment of all the fees, fulfillment of eligibility conditions, and verifications of certificates by the Academic Section of the Institute.

L) Candidates are advised to go through the fee refund policy of the institute. Fee refund rules/policy of the institute is available here: https://nitj.ac.in/files/1739170167546-FEE_REFUND_POLICY.pdf

This is a single round of admission process, as per institute norms no fee refund is applicable.

M) Only applications submitted on the website of the institute (www.nitj.ac.in) with supporting documentation will be considered. Hardcopy applications or applications by email will not be considered.

N) The admission for this Academic Year 2026-2027 (Session July, 2026) session and the award of the Ph.D. degree shall be strictly in accordance with the Ordinances and Regulations for PH.D. PROGRAMME 2023 approved by the Institute Senate the copy of which are available on:
<https://www.nitj.ac.in/template/index.html?id=64ccc1baf936ec1417f91875?category=newpage>

O) For all purposes, the date of commencement of classes will be treated as the Registration Date for all admitted students of this July, 2026 session.

P) In case of any urgent requirements/exigencies the interactions may be conducted through online mode for the deserving candidates. The request in this regard will be taken care by the DPGC of the concerned department.

Q) All the admitted candidates shall be governed by the Ph.D. regulations of the Institute and other instructions issued by the Institute time to time.

R) The Institute reserves the right to modify or cancel this Advertisement/any part of this Advertisement at any stage.

S) The list of specific PhD research topics along with the proposed supervisor in Indigenous technology development, socially relevant research of various department of the Institute is attached at **Annexure-B**.

-Sd/-
Dean Academic

Detailed Department Specific Educational Qualifications:

(For Grant of Institute Fellowship conditions mentioned in Section B1(ii) of this advertisement shall apply in all departments)

Bio Technology (Contact Head BT at hbt@nitj.ac.in for any clarifications)

- (a) The Candidate should be B.E./B.Tech and/or M.E./M.Tech in the relevant branches of Engineering/Technology out of which either B.E./B.Tech. or M.E./M.Tech should be in Biotechnology/ Environmental Biotechnology/ Biochemical engineering/ Bioengineering/Bioinformatics/ Environmental engineering/ Chemical Engineering/ Biomedical engineering/ Biological science and Bioengineering/ Computational biology or allied areas.
- (b) Apart from above qualification, the Candidate with M.Sc./MS/M.Pharma/MBBS in relevant disciplinewith GATE/NET/GPAT or any other national level test in Biotechnology/Life sciences/Pharmacy/Medicine are also eligible. This changes in basic qualification is only for the purpose of PhD admission.
- (c) The candidates with GATE/CSIR/ICMR/DBT/ICAR/UGC NET/GPAT or any other Central Government National Level Test do not require to clear Institute written examination for shortlisting towards “presentation and interaction” session. The admission to the Ph.D. programme shall be solely based upon performance of the individual candidates during “presentation and interaction” and availability of the Supervisor in the proposed area of research.
- (d) It is also possible for direct Ph.D admission in case of candidate with B.Tech./B.E./B.S./B.Pharma (4 years) with a **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination. All such candidates must be valid GATE/CSIR/ICMR/DBT/ICAR/UGC NET/GPAT qualified.
- (e) The M.E./M.Tech/M.Pharma candidates without GATE/NET/GPAT or any other Central Government National Level Test need to clear Institute written examination for shortlisting towards “presentation and interaction” session. Once selected based on the “presentation and interaction” session, they can join in Ph.D. (part time) programme without stipend.

Chemical Engineering (Contact Head CH at hch@nitj.ac.in for any clarifications)**Full Time (with Institute fellowship)***

M.Tech. in Engineering/Technology along with Bachelor’s Degree in Engineering/Technology

OR

B.Tech. in Engineering/Technology with a **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and with a valid GATE score

OR

M.Sc. in Sciences with JRF-NET/GATE Score

OR

M.Pharm with GATE/GPAT Score.

Part time*

M.Tech. in Engineering/Technology along with Bachelor’s Degree in Engineering/Technology

OR

B.Tech. in Engineering/Technology with a **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and valid GATE score

OR

M.Tech in Engineering/Technology

OR

MSc in Sciences

OR

M.Pharm

Self Sponsored*

M.Tech. in Engineering/Technology along with Bachelor's Degree in Engineering/Technology

OR

B.Tech. in Engineering/Technology with a **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and valid GATE score

OR

MSC in Sciences

OR

M.Pharm

*Other terms and conditions are as per the Institute norms.

Civil Engineering (Contact Head CE at hce@nitj.ac.in for any clarifications)

Candidate with GATE in "Civil Engineering"

1. M.E/M.Tech first class in any discipline

OR

2. B.E/B.Tech in Civil Engineering with minimum a **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and valid GATE score.

Non-GATE candidates

1. **B.Tech** (Civil Engineering/ Architecture/Agriculture Engineering/ Chemical Engg/Biotechnology/ Mechanical Engg/ Industrial and production Engg/ Energy and Environment Engg/ Computer Engineering/ Artificial Intelligence/ Machine Learning/ Mathematics and Computing/ Remote Sensing/ GIS/ Electronics and Communication Engg/ Instrumentation Engg/ Data Sciences/ Textile Engineering) followed by **M.Tech** in relevant areas.

OR

2. M.Sc (Physics/Chemistry/Maths/Biotechnology/ Geology/ Earth Sciences/ Water Resources/Water Management/ Environmental Sciences/Biochemistry/ Agriculture/ Soil Sciences) followed by M.Tech in relevant area.

Computer Science and Engineering (Contact Head CSE at hcs@nitj.ac.in for any clarifications)

Candidate with qualified GATE in "Computer Science and Information Technology/ Data Science and Artificial Intelligence"/ UGC NET in Computer Science & Applications

1.M.E./M.Tech. first class in any discipline, with UG Degree with first class

OR

2.*B.E./B.Tech. (in any discipline)/MCA with **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and valid GATE score.

Non-GATE Candidates

1. M.E./M.Tech first class in any of the disciplines mentioned in annexure-I, with merit list prepared on qualifying marks in the test conducted by the Institute.

OR

2. *B.E./B.Tech. in any of the disciplines mentioned in annexure I/MCA from a Centrally Funded Technical

Institute (CFTI) with minimum CGPA of 8.5 and above on a 10-point scale or equivalent in the qualifying examination with merit list prepared on qualifying marks in the in the test conducted by the Institute.
** This will be a direct PhD admission and therefore, PhD course credit requirement will be different.*

Annexure-1

List of B.E./B.Tech. & M.E./ M.Tech Branches

Artificial Intelligence (AI) and Data Science

Artificial Intelligence and Machine Learning

Computer Engineering (Software Engineering)

Computer Science and Applied Mathematics

Computer Science and Biosciences

Computer Science and Business Systems

Computer Science and Design

Computer Science and Engineering (Artificial Intelligence and Machine Learning)

Computer Science and Engineering (Artificial Intelligence)

Computer Science and Engineering (Cyber Security)

Computer Science and Engineering (Data Science)

Computer Science and Engineering (Internet of Things and Cyber Security Including Block Chain Technology)

Computer Science and Engineering (Internet of Things)

Computer Science and Engineering (Networks)

Computer Science and Medical Engineering

Computer Science and Social Sciences

Computer and Communication Engineering

Computer Engineering

Computer Engineering and Application

Computer Networking

Computer Science

Computer Science and Engineering

Computer Science and Information Technology

Computer Science and Systems Engineering

Computer Science and Technology

Computer Technology

Computing in Computing

Computing in Multimedia

Computing in Software

Information and Communication Technology

Information Engineering

Information Science

Information Science and Engineering

Information Technology

Information Technology and Engineering

Software Engineering

Robotics and Artificial Intelligence

Mathematics and Computing

Data Science and Engineering

Computer Science and Engineering (Information Security)

**All other branches within the field of computer science that are equivalent to the aforementioned branches*

<p>Electrical Engineering (Contact Head EE at hec@nitj.ac.in for any clarifications)</p> <p>Master degree: Applicant must have a Master's degree in a relevant discipline, such as Electrical Engineering including all specializations/Instrumentation and Control (ICE)/ Electronics and Communication Engineering(ECE) /Information Technology(IT) & allied branches</p> <p>Bachelor's degree: Applicant must have a Bachelor's degree Electrical Engineering (EE) / Electrical and Electronics Engineering (EEE)/ Electronics and Communication Engineering(ECE)/ /Instrumentation and Control Engineering(ICE)/ Computer Science and Engineering (CSE) /Information Technology(IT) & allied branches.</p> <p>GATE qualified in any discipline</p>
<p>Electronics & Communication Engineering (Contact Head ECE at hec@nitj.ac.in for any clarifications)</p> <p>Candidate with GATE in "Electronics and Communication Engineering"</p> <ol style="list-style-type: none"> 1. B.E./ B. Tech. in any discipline/M.Sc Physics/M.Sc Electronics/M.Sc Mathematics and Computing. OR 2. ME/M.Tech/MS/M.Tech by Research in ECE, Signal Processing, Electrical Engineering, VLSI Design, IC or any other relevant areas. <p>Non-GATE Candidates-</p> <ol style="list-style-type: none"> 1. B.E./B.Tech in any discipline. And 3. ME/M.Tech/MS/M. Tech by Research in ECE, Signal Processing, Electrical Engineering, VLSI Design, IC or any other relevant areas.
<p>Information Technology (Contact Head IT at hit@nitj.ac.in for any clarifications)</p> <p>(i) Master's degree in Engineering/Technology in the relevant area of research with minimum CGPA of 6.5 on a 10-point scale or equivalent in the qualifying examination. The candidates having B. Tech degree in other than CSE/IT must be GATE qualified in CS/IT/Data Science and Artificial Intelligence discipline or must be NET qualified.</p> <p>(ii) Bachelor's degree in Engineering/Technology a CGPA of 7.5 and above on a 10 point scale or equivalent in the qualifying examination and valid GATE score. In such cases, the candidates have to fulfil the requirement of minimum of 24 credits of course work.</p> <p>(iii) MCA with M.Tech. (relevant branch) having minimum CGPA of 6.5 on a 10-point scale having GATE qualified in CS/IT/Data Science and Artificial Intelligence discipline or NET qualified. OR</p> <p>(iv) The candidates should have valid JRF(UGC/CSIR) or valid GATE score (CS/IT) and satisfy anyone of the following criteria:</p> <ol style="list-style-type: none"> a) M.Sc. (CS/IT) with M. Tech (relevant branch) research with minimum CGPA of 6.5 on a 10-point scale or equivalent in the qualifying examination. b) M.C.A. from CFTI/Top 100 NIRF Institutes in last 2 years with minimum CGPA of 8.5 or above on a 10-point scale or equivalent in the qualifying examination. In such cases, the candidates have to fulfil the requirement of minimum of 24 credits of course work.
<p>Instrumentation and Control Engineering (Contact Head ICE at hic@nitj.ac.in for any clarifications)</p> <ol style="list-style-type: none"> (a) Candidates with ME/MTech or equivalent degree in any discipline having qualified GATE examination in any discipline. (b) The candidates with four-year Bachelor's degree (BE/BTech or equivalent) in any discipline as qualifying degree must have a valid and qualifying GATE score in any discipline. (c) The candidate with MSc as qualifying degree in any discipline must have valid and qualifying GATE score or

valid CSIR-NET (JRF)/INSPIRE/NBHM-PhD qualification, etc in any discipline.
Industrial and Production Engineering (Contact Head IPE at _hip@nitj.ac.in for any clarifications)
Candidates with M.Tech. in any discipline and MBA in Operations, Supply Chain Management, Information Technology and Business Analytics will be considered eligible for admission in Ph.D. Programme in the department, provided they are willing to undertake research in relevant areas of expertise available in the Department.
Mechanical engineering (Contact Head ME at _hme@nitj.ac.in for any clarifications)
Full Time (with Institute fellowship)
Educational Qualification: M.E/M.Tech in Engineering/Technology along with Bachelor's Degree in Engineering/Technology in any discipline. All such candidates must be GATE qualified in any discipline. OR B.E/B.Tech in Engineering/Technology in any discipline with a CGPA of 7.5 and above on a 10 point scale or equivalent in the qualifying examination and valid GATE score. OR M.Sc in any discipline with CGPA of 8.5 and above on a 10-point scale or 80% aggregate from Centrally Funded Technical Institute (CFTI). All such candidates must be JRF-NET/GATE Score qualified.
(b) Part Time*
Educational Qualification: M.E/M.Tech in Engineering/Technology along with Bachelor's Degree in Engineering/Technology in any discipline. OR B.E/B.Tech in Engineering/Technology in any a CGPA of 7.5 and above on a 10 point scale or equivalent in the qualifying examination and valid GATE score. OR M.Sc in any discipline with CGPA of 8.5 and above on a 10-point scale or 80% aggregate from Centrally Funded Technical Institute (CFTI). * Other terms and conditions as per the Institute norm
Textile Technology (Contact Head TT at _htt@nitj.ac.in for any clarifications)
M.Tech. in Engineering/Technology along with Bachelor's Degree in Engineering/Technology with qualified GATE Score OR B.Tech. in Engineering/Technology with a CGPA of 7.5 and above on a 10 point scale or equivalent in the qualifying examination and valid GATE score OR M.Sc. in Textile, Textile Design, Fashion Design/Technology, Clothing Science, Apparel Science/Technology with qualified JRF-NET/GATE Score OR MBA with qualified NET Score *Other terms and conditions as per the Institute norms
Humanities & Management (Contact Head HM at _hhm@nitj.ac.in for any clarifications)
<ul style="list-style-type: none"> • Humanities: • Ph.D. (English Literature): Master's degree in English or English Language Teaching with at least 60% marks or a CGPA of 6.5 on 10 point-scale. • Ph.D. (Linguistics): Master's degree in Linguistics or English or English Language Teaching with at least 60% marks or a CGPA of 6.5 on 10 point-scale. • Management: • Ph.D. (Management): Master's degree in Management or Commerce or Economics or Psychology with at least 60%marks or a CGPA of 6.5 on 10 point scale.

The candidates in Humanities and Management must be NET/GATE qualified and must have a valid score for the award of stipend-cum- teaching assistantship as per Ministry of HRD norms and Institute norms.

PHYSICS (Contact Head PH at hph@nitj.ac.in for any clarifications)

Master's Degree in appropriate branch of Science with a first class or minimum 60% Marks (or CGPA of 6.5 on 10 point scale) in the qualifying examination. For getting institute-level Teaching Assistantship-cum-Scholarships, candidates with a Master's degree in science/mathematics/statistics must have valid and qualifying GATE score or valid CSIR-NET(LS/JRF)/INSPIRE/NBHM-Ph.D. qualification, etc

CHEMISTRY (Contact Head CY at hcy@nitj.ac.in for any clarifications)

Master's Degree in appropriate branch of Science with a first class or minimum 60% Marks (or CGPA of 6.5 on 10 point scale) in the qualifying examination. For getting institute-level Teaching Assistantship cum-Scholarships, candidates with a Master's degree in science/mathematics/statistics must have valid and qualifying GATE score or valid CSIR-NET(LS/JRF)/INSPIRE/NBHM-Ph.D. qualification, etc

Mathematics & Computing (Contact Head MC at hma@nitj.ac.in for any clarifications)

Candidates with a valid GATE/NET score in Mathematics/ CSE/IT

(a) BSc first class and MSc first class in Mathematics/Statistics/Mathematics and Computing.

OR

(b) B.E./B.Tech first class and M.E./M.Tech first class in Mathematics and Computing/Computer Science & Engineering/Information Technology/Electronics and Communication Engineering/Mechanical Engineering with minimum CGPA of 6.5 or above on a 10-point scale or equivalent in the qualifying examination or 60% marks.

OR

(c) B.Sc (Computer Science/Information Technology)/BCA first class **and** MCA from Centrally Funded Technical Institute (CFTI) with minimum of 8.5 or above on a 10 point scale or equivalent in the qualifying examination.

OR

(d) BTech in Mathematics and Computing/Computer Science & Engineering/Information Technology/Electronics and Communication Engineering/Mechanical Engineering with **a CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and valid GATE score.

Non-GATE Candidates

BSc first class and MSc first class in Mathematics/ Statistics/ Mathematics and Computing with merit list prepared based on the test conducted by the Institute.

Centre for Energy and Environment

The Candidate should be B.E./B.Tech and/or M.E./M.Tech in any branch of Engineering/Technology with GATE/NET with a first class or minimum 60% marks(or CGPA of 6.5 on 10 point scale) in the qualifying examination.

Or

Candidates with M.Sc./ MS/ M.Pharm with GATE/NET/GPAT are also eligible with a first class or minimum 60% marks (or CGPA of 6.5 on 10 point scale) in the qualifying examination.

Sports and Healthcare Research Centre

PhD Full-Time (With Institute Fellowship)

The Candidate should be M.E/M Sc/M Tech/M Pharm/MD/MDS with JRF-NET/GATE/GPAT/ NEET-PG Score in the relevant branches of Engineering/Science/Technology/Medicine, and the degree should be preferably in Medicine/Surgery/Physiology/ Pathology/ Dental/ Radiology/ Biotechnology/ Biomedical Engineering/ Medicinal Chemistry/ Biochemistry/ Sports Sciences/ Rehabilitation Engineering/ Physiotherapy/ Biotechnology/ Biomedical engineering/ Data Science/ Artificial Intelligence/ Health Informatics/ Medical Instrumentation/ Naturopathy/ Nanotechnology/Kinesiology/ Textile Technology/ Applied Machine Learning/ Automation and robotics/ Design/ Material Science/ Instrumentation and Control/ Manufacturing Technology/ Radiation Physics/ Medical Radiation Physics/ allied areas along with a Bachelor's Degree in appropriate branch of Engineering/Technology/Science/Medicine with a first-class or minimum 60% marks (or CGPA of 6.5 on 10 point scale) in the qualifying examination.

Or

B.E./B. Tech/B. Pharm/MBBS/BDS in Engineering/Technology/Medicine with a **CGPA of 7.5 and above on a 10 point scale** or equivalent in the qualifying examination and valid GATE score or with the specialization mentioned above with GPAT/NEET- PG.

Note: Candidates without JRF-NET/GATE/GPAT/ NEET-PG Score will also be considered for PhD Full Time without Institute Fellowship (self-sponsored). The final admission to the candidates under this category (without JRF-NET/GATE/GPAT/NEET-PG Score) is based on the performance in the written test and/or interview conducted by the concerned academic department/center, academic credentials of the candidates, etc.

Ph.D. (Part-Time) Programme

Academic qualifications are the same as Full-Time Candidates with/without JRF-NET/GATE/GPAT/NEET-PG Score. The final admission to the candidates under this category (without JRF-NET/GATE/GPAT/NEET-PG Score) is based on the performance in the written test and/or interview conducted by the concerned academic department/center, academic credentials of the candidates, etc.

Centre for Reliability Improvement in Industry

Eligibility Criteria: M.Tech in Engineering/Technology, in a relevant discipline, Electrical Engineering/Instrumentation and Control/Power Systems and Reliability, and allied branches.

Bachelor's degree: Applicant must have a Bachelor's degree in Engineering and Technology

GATE: GATE (Electrical Engineering/Instrumentation and Control Engineering) qualified candidates will be preferred

Centre for Artificial Intelligence

Eligibility Criteria: Master's Degree in Engineering/Technology/Science in any discipline with a Bachelor Degree with first-class or minimum 60% marks or minimum CGPA of 6.5 on a 10-point scale or equivalent in the qualifying examination.