INFORMATION BULLETIN
Ph.D. Programme
MONSOON SEMESTER (JULY) ADMISSIONS 2023

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1. Introduction

National Institute of Technology Calicut (an Institution of National Importance) is one of the premier National institutions for technical education in India. This was originally established in September 1961 as "Calicut Regional Engineering College (CREC)", jointly by the Government of India and the Government of Kerala. The Ministry of Education (formerly Ministry of HRD), Government of India elevated CREC to a Deemed University under the name National Institute of Technology Calicut (NITC) in June 2002. NIT Calicut is an academically autonomous Institute of National Importance fully funded by the Government of India and is administered by the National Institutes of Technology Act, 2007. The President of India is the visitor to the Institute under the Act. The governance structure includes the National Council for NITs as the apex policy making body, while the Institute's governance is vested with a Board of Governors. Institute's senate is the authority in academic matters. Chairman of the Board of Governors is nominated by the visitor. NITC offers academic programmes leading to B.Tech., B.Arch., M. Tech., M. Plan., M.Sc., MBA and Ph.D. degrees in various disciplines. NITC is a recognized Quality Improvement Programme (QIP) Centre for offering M. Tech. and Ph.D. programmes for faculty members of Engineering/Architecture and Planning Colleges & Polytechnics. The institute is a recognized research institution for pursuing research work leading to Ph.D. degree under the National Doctoral Fellowship Scheme. NITC has well qualified faculty and dedicated supporting staff. Apart from teaching, NIT Calicut is engaged in a wide spectrum of activities covering research and development, industrial consultancy, continuing education to faculty/staff, and community development.

2. Location

Set in a picturesque landscape at the foothills of the Western Ghats, NIT Calicut is located about 22 kilometers north-east of Kozhikode city in the state of Kerala, India. Calicut, also known as Kozhikode, located in the Malabar region of Kerala State, found a place in the world history with the discovery of a sea route to India in 1498 by the Portuguese navigator Vasco Da Gama. Basking in the idyllic setting of the Arabian Sea on the west and the proud peaks of the Wayanad hills on the east, Calicut is known for its serene beaches, lush green countryside, historic sites, calm backwaters, wildlife sanctuaries, rivers and waterfalls. The campus of National Institute of Technology Calicut stretches over a length of about 1.5 km along the Calicut-Mukkam Road, extending over an area of approximately 120 hectares. NITC is connected with Calicut city by KSRTC Buses (towards Mukkam) starting from KSRTC Central Bus Station and by Private Buses starting from Corporation Bus Station, Palayam (near Calicut Railway Station). The nearest airport is at Karipur, which is 45 kms from the Institute. Kozhikode railway station is 23 kilometers away from the NITC campus. Local buses are available frequently for commutation between campus and the Calicut city.

3. Computing Facilities and Campus Network

Central Computer Centre (CCC) is the central facility in NIT Calicut which caters for the computing requirements of the whole community of this institution. The center has state of the art infrastructure with four fully operational terminal rooms spanning over three floors of the building. Decision Support System (DSS) of the institute also operate from the Centre building. The Centre

has 250+ client machines and has a capacity to include 400+ machines. Client systems are of both desktop and workstation genre. Desktops contain DELL OPTIPLEX 7010, DELL Precision T3610, HP 406 Micro tower and HP Prodesk series which are of adequate performance and workstations contain Fujitsu Celsius W570 power series machines which are capable of more than handling high-end production and design level applications. CCC hosts some of the high-end servers and a parallel processing cluster machine. Servers include DELL PowerEdge T620 which has a dual Hexa-core processor, Lenovo ThinkSystem SR650 with 32GB Nvidia V100 card and HP ProLiant Rack server which has a dual quad-core processor. A state of the art HPC system with 25 Tera FLOPS computing power meet the research needs of the Institute. The facility can be accessed by all the departments and schools anywhere in the campus through networking. Computers in the CCC are loaded with Windows and Linux operating systems for convenience and centralized authentication is provided. Students are mandated to follow strict classroom discipline inside the Centre. Centre is fully air-conditioned and has UPS power backup for the whole setup. The Centre works 16 hours a day (8 am – 12 midnight), 7 days a week, except national holidays unless instructed otherwise.

The Campus Networking Centre (CNC) is the central facility providing the software, hardware and networking support to the entire student and staff community of NITC Campus. CNC manages internet connectivity (both wired and wireless), Institute website and IP phones within the campus. The campus, interconnected with about 30 kms of fiber optic backbone network with 80 routed internal networks, is managed by the Unified Threat Management System. The centre is equipped with Firewall, Routers, Domain Name Server, Web Server, Proxy Servers and IP phone server, etc. Presently the network is served by 2Gbps of Internet connectivity provided by BSNL (1 Gbps under NKN scheme of MoE). CNC functions on a 24x7 basis, 365 days without any holidays. IP phones are installed in all Academic and Administrative sections. The IP Phones and IP Phone server are also implemented, configured and managed by CNC.

4. Library Facilities

The Central Library of NIT Calicut is one of the best technical libraries in South India. It came into being with the establishment of the college in 1961. The library has a very good collection of more than one lakh technical/scientific books. Central Library offers its services to more than 8,000 users comprising of undergraduate, postgraduate students, research scholars, faculty and employees from various Departments/Schools/Centres/ Sections of the Institute. The services of the Central Library are fully automated using KOHA, and the entire collection is accessible throughout the campus. Using KOHA OPAC, users can search the online library catalogue by Author, Title, Subject and Keywords. The library management software along with the existing campus-wide intranet imparts the following features: Automated front-desk operations, Campus-wide online access, catalogue access and RFID-based automated collection/bar-coded user identification. Central Library subscribes to reputed International Journals and Indian Journals in online and print forms. The Digital Library, 'NALANDA' provides online access to more than 6000 electronic journals in various Engineering and Science disciplines. NALANDA hosts many electronics databases in its servers. As a member of the Shodh Sindhu Consortium under the Ministry of Education, GOI, NALANDA promotes the use of e-journals and e-books for advanced research and learning in Engineering and Science Education. Major online resources are journal/magazine/ conference records/standards of IEE, IEEE, Springer, ASME, ASCE, and ACM Digital Library core packages.

Online access to study materials is available through a local copy of NPTEL. Resources like CMIE, ACE Analyzer, Eikon, Grammarly, Knimbus, Emerald, J Gate, Scopus, and Web of Science are available to the NITC community through the digital library. Library also subscribes to a plagiarism checker - Turnitin. The digital library is developing the NITC resources by collecting and indexing the students' project reports/theses through an ETD run with DSpace, which also houses the national and international standards. Eduserver - running in the Digital Library - hosts the Moodle platform for online course management. E-books from Wiley, Springer and Pearson are also made available.

5. Centre for Career Development

Centre for Career Development envisages to inculcate a career-oriented campus culture that moulds the undergraduate, postgraduate and doctoral research students of the Institute to pursue their academic and professional goals. Formerly this centre was known as the Centre for Training and Placement which was formed in 1988. Understanding the need for a broader role to be taken for our students, the Centre for Career Development has been formed with effect from March 2022. This Centre is functioning with the following Objectives:

- Connect the students with placement and internship opportunities;
- Educate the students on knowledge of the self, career options and resources available;
- Empower the students with skill sets required in their careers.

6. Programmes of Study

NITC offers undergraduate programmes leading to B. Tech. degree in 10 disciplines and post-graduate programmes leading to M. Tech./M. Plan degrees in various specialized streams. In addition to this, the institute offers MSc degree programmes in three streams and an MBA programme (2 years - 4 semesters). The Institute also offers facilities for research leading to Ph.D. degrees in various branches of Engineering, Science and Management. The details of B. Tech, M. Tech./M. Plan. and MSc programmes are as given below:

Under graduate Level - B. Tech. Programmes (4 years - 8 semesters)

- Biotechnology (BT)
- Chemical Engineering (CH)
- Civil Engineering (CE)
- Computer Science and Engineering (CS)
- Electrical & Electronics Engineering (EE)
- Electronics & Communication Engineering (EC)
- Engineering Physics (EP)
- Materials Science and Engineering (MT)
- Mechanical Engineering (ME)
- Production Engineering (PE)

Under graduate Level - B. Arch. Programme (5 years - 10 semesters)

Post graduate Level - M.Tech./M.Plan. Programmes (2 years - 4 semesters)

Department/ School	Programme	Programme Code
Architecture & Planning	Urban Planning	AR61
Civil Engineering	Structural Engineering	CE61
	Traffic & Transportation Planning	CE62
	Offshore Structures	CE63
	Environmental Geotechnology	CE64
	Water Resources Engineering	CE65
Chemical Engineering	Chemical Engineering	CH61
Computer Science & Engineering	Computer Science & Engineering	CS61
	Computer Science & Engineering (Information Security)	CS62
Electronics & Communication Engineering	Electronics Design & Technology	EC61
	Microelectronics & VLSI Design	EC62
	Telecommunication	EC63
	Signal Processing	EC64
Electrical Engineering	Instrumentation & Control Systems	EE61
	Power Systems	EE62
	Power Electronics	EE63
	Industrial Power and Automation	EE64
	High Voltage Engineering	EE65
	Electric Vehicles (Online)	EE66
Mechanical Engineering	Industrial Engineering and Management	ME61
	Thermal Sciences	ME62
	Manufacturing Technology	ME63
	Energy Engineering and Management	ME64
	Materials Science and Technology	ME65
	Machine Design	ME66
Materials Science and Engineering	Nanotechnology	MT61

M.Sc. Programmes (2 years - 4 semesters)

Department	M. Sc. Programme	Programme Code
Mathematics	Mathematics	MA62
Physics	Physics	PH62
Chemistry	Chemistry	CY62

7. Major Areas of Research and Consultancy

The major areas of research and consultancy of various departments/schools are as follows:

A. ARCHITECTURE AND PLANNING

- Urban and Regional Planning
  - Transportation
  - Infrastructure
  - Housing
  - Environmental Planning
  - Planning Informatics
  - Disaster Management &Climate Change
  - Smart Cities planning
- Architecture
  - Urban Design
  - Landscape
  - Conservation
  - Architectural Theory
  - Architectural Visualization & Product Design
  - Pedagogy
- Building Technology & Management
  - Building Services
  - Energy Modelling
  - Building Information &Modelling
  - Alternate Building Materials
  - Construction Management
- Structural Engineering
  - Masonry Structure,
  - Seismic Safety of Structures
  - Sustainable Strengthening Techniques,
  - Structural Dynamics &Earthquake Engineering,
  - Sustainable Concrete

B. CHEMICAL ENGINEERING

- Reaction and Bioprocess engineering
  - Bio-materials
  - Biofuels
  - Catalysts
  - Fermentation Technology
  - Bioreactors
- Energy and Electrochemical Engineering
  - Electrochemical systems
  - Fuel Cells
  - Phase Change Heat transfer
- Materials Science and Engineering
  - Carbon-based materials
  - Nano –composites
  - Polymers and polymer Composites
  - Soft Matter
- Process Control, Optimization and systems Engineering
  - Flow Assurance in Oil and Gas Pipelines
  - Process Intensification
  - Rheology
- Process Modelling, Simulation, CFD and Theoretical computation
  - Machine Learning
  - Molecular Simulations
  - Multiphase Flow Modelling
  - Non-Newtonian Fluid Dynamics
  - Thermodynamic Modelling
- Environmental Engineering
  - Carbon Capture and Storage
  - Desalination
  - Membrane Separation
  - Microfluidics
  - Wastewater Treatment

C. CHEMISTRY

- Bioinorganic Chemistry
- Bioinspired Catalysis
- Biomimetic Inorganic Chemistry
- Energetic Materials/ High Energy Materials
- Heterocyclic Chemistry
- Main Group Organometallic Materials and Supramolecular Chemistry
- Materials Chemistry & Technology (Polymers, Biomacromolecules, Blends, Composites, Membranes)
- Medicinal Chemistry
- Organic & Bio-organic Chemistry
- Organic Synthesis and Catalysis
- Porphyrins and Metalloporphyrins

- Soft Materials
- Theoretical and Computational Chemistry
- Thermoelectric Materials
- Waste Management

D. CIVIL ENGINEERING
- Structural Engineering
- Offshore Structures
- Traffic and Transportation Planning
- Geotechnical Engineering
- Water Resources Engineering
- Environmental Geotechnology
- Building Technology and Construction Management
- Town Planning

E. COMPUTER SCIENCE & ENGINEERING
- Algorithms and complexity
- Bioinformatics
- Cloud Computing
- Compilers and Programming Languages
- Computer Architecture
- Database Management Systems
- Distributed Computing
- Image Processing
- Information Security
- Networks
- Operating Systems
- Software Engineering
- Artificial Intelligence/Machine Learning

F. ELECTRICAL ENGINEERING
- Instrumentation and Control Systems.
- Power and Energy Systems.
- Power Electronics & Machines.
- Industrial Power & Automation.
- Biomedical Signal Processing and Instrumentation.
- High Voltage Engineering
- Electric Vehicle

G. ELECTRONICS & COMMUNICATION ENGINEERING
- **Electronics Design and Technology**
  - Embedded System Design

- EMI/ EMC, Control System Design
- Biomedical System Design
- System Design for Signal Processing and Communication
- **Microelectronics and VLSI Design**
  - Power Management in IC Design
  - Analog & Mixed-signal IC design
  - Semiconductor Device modelling
  - Micro fabrication Technology, Micro/Nano Electro Mechanical System MEMS/NEMS
  - VLSI architectures for Signal Processing and Communication
  - Photovoltaics Devices for Energy Harvesting
  - Fabrication and Modelling of Photovoltaics Devices
- **Telecommunication**
  - Wireless Communications and Networks
  - OFDM/MIMO and Massive MIMO
  - 5G & Beyond 5G Wireless Communications
  - Cryptography and Secure Communication
  - RF & Microwave Engineering
  - Coding Theory and Applications
  - Distributed Computing and Content Delivery
- **Signal Processing**
  - Speech/ Audio / Image / Video Processing
  - Signal Theory
  - Compressed Sensing/ Sparse Signal Processing,
  - Multi-rate Signal Processing
  - Biomedical Signal Processing
  - Radar/Array Signal Processing
  - Machine Learning, Computer Vision
  - Deep Learning
  - Statistical Signal Processing and Bayesian Machine Learning
  - Reinforcement Learning
  - VLSI Architectures for Signal Processing & Deep Learning

H. MATHEMATICS
- Stochastic Modelling and Applied Statistics
- Numerical Analysis and Scientific Computing
- Mathematical Analysis
- Nonlinear Dynamics
- Operations Research
- Complex Analysis
- Fractional Calculus
- Differential Equations
- Number Theory
- Reliability of systems

- Combinatorics & Graph Theory
- Special Function and Function Spaces
- Wave Structure Interactions
- Functional Analysis
- Lie Algebra/Superalgebra
- Wavelets Theory
- Commutative Algebra
- Topology
- Fractal Geometry
- Spectral Graph Theory
- Operator Theory
- Time Series Analysis
- Computational Finance
- Actuarial Science.

I. MECHANICAL ENGINEERING

Industrial Engineering and Management
- Ergonomics and Product Design
- Supply Chain Management
- Marketing Management
- Human Resource Management
- Data Science Applications in Operations Management

Machine Design
- Computational Mechanics
- Robotics
- Tribology
- Machine Dynamics and Vibrations
- Nano- and Micro-mechanics
- Product Design
- Biomechanics
- Nonlinear dynamics
- Fatigue and Fracture

Materials and Manufacturing.
- Macro and Micro Machining
- Modern Machining
- Metrology
- CAD/CAM
- Composite Materials
- Ferrous and Non-Ferrous Metallurgy
- Materials for Electronics Application
- Additive Manufacturing/3D printing
- Digital Manufacturing and Design
- Mechatronics and industrial automation
- Materials for Sustainable Development
- Structure-Property Correlation of materials

- Advanced structural and functional ceramics
- **Thermal and Energy Engineering**
  - Renewal Energy Technologies
  - Energy Conservation
  - Fuel Cells and Hydrogen Technology
  - Computational Fluid Dynamics
  - Heat Pipes
  - Cryogenics
  - Jets and Flow Acoustics
  - Combustion and Fire Safety
  - Fluid-Structure Interactions
  - Multi-phase Flows
  - High Performance Computing
  - Lattice Boltzmann Modeling
  - High Speed Flows
  - Turbo-machinery
  - Internal Combustion Engines
  - Convection and Radiation Heat Transfer
  - Non-Newtonian flows
  - Heating and Ventilation Systems
  - Thermal Management
  - Microfluidics

J. PHYSICS

- Organic Solar Cell, Nano material for Energy Applications
- Organic & Hybrid Electronics & Photonics
- Graphene Photonics and Carbon Quantum Dots
- Nonlinear Optics and Nano Photonics
- Statistical mechanics of phase transitions – Soft condensed matter Systems
- Computational Modeling of Materials
- Environmental Monitoring using principle of Optics
- Experimental Condensed Matter Physics
- Surface and Interface Science
- Diamond and Related Materials
- Oxide Thin films and Heterostructures
- Microfluidics and optofluidics
- Gravity and Black holes, Constrained dynamics
- Theoretical High Energy physics - Quantum Field Theory, Lattice gauge theory, Quantum Chromodynamics
- Solar Astrophysics
- Photonic Crystals, Metamaterials, and Terahertz Devices
- Soft matter and statistical physics
- Statistical Physics and Thermodynamics
- Lasers, Imaging through Disordered media, Photonic crystals, and optical waveguides
- Nonlinear optics and Fluorescence microscopy

K. SCHOOL OF BIOTECHNOLOGY

- Enzyme Technology
- Microbiology
- Bioprospecting
- Cancer Research
- Bioinformatics and Computational Biology
- Gene Regulation
- Molecular genetics
- Machine Learning and Network biology
- NGS data analysis for Precision Medicine
- Protein Folding
- Protein Engineering
- Genetic Engineering
- Biomodeling and Drug Design
- Neurobiology
- Immunology
- Cytoskeleton and Motorproteins
- Biophysics
- Bionanotechnology
- Bio-Nano Engineering
- Tissue engineering
- Bioinspired materials
- Supramolecular chemistry and extremozymes
- Plant genomics and biotechnology

L. SCHOOL OF MANAGEMENT STUDIES

- **Management & Social Sciences**

  Finance, Human Resources and Behavioural Sciences, Quantitative Techniques and Operations Management, Data Sciences & Analytics, Marketing, Economics Strategy, Entrepreneurship, Technology Management, Health Business & Policy, Public Policy and Public Administration

- **Humanities (English)**

  English Studies, ELT, Cultural Studies, Indian Writing in English and Translations, Postcolonial Studies, Dalit Studies, Food and Gender Studies and Early Childhood Education, Canadian Literature, Comparative Literature, Literary Theories, Theatre and Drama, and Art Management

M. SCHOOL OF MATERIALS SCIENCE AND ENGINEERING

- Solar Thermal Systems
- Solar Fuels
- Microscale/Nanoscale heat transfer

- Interferometric measurements
- Thermal Management of Devices (Electronics/Batteries)
- Emerging Solar Cell Technologies
- Perovskite Solar Cells
- Nanofluids
- Photo Catalysis/ Water Splitting
- Biomaterials
- Corrosion and Wear Resistant Coating
- Nano Composites for Energy
- Nanocomposites and Nanosensors
- Surface Modifications and Coating Techniques (Metals)
- Biodegradable Metals
- Lightweight metallic systems
- Electrospinning
- Nanocomposites
- Medical Materials (Metals and alloys)
- Affordable Healthcare
- Magnesium based Hydrogen storage
- Applied microscopy and spectroscopy
- Phase Change Materials
- Carbon materials for energy and devices
- Semiconductor Memories and devices

Part II ADMISSION TO Ph.D. PROGRAMME

1. Introduction

Facility for doing research leading to Ph.D. degree is available in various Departments/Schools of NITC as detailed below:

	Department/School	Code
1	Architecture and Planning	AR
2	Chemical Engineering	CH
3	Chemistry	CY
4	Civil Engineering	CE
5	Computer Science and Engineering	CS
6	Electrical Engineering	EE
7	Electronics and CommunicationEngineering	EC
8	Mathematics	MA
9	Mechanical Engineering	ME
10	Physics	PH
11	Biotechnology	BT
12	Management Studies	MS
13	Materials Science andEngineering	MT

Applications are invited for admission to the Ph.D. programmes (Monsoon Semester) 2023 in the following schemes:

Scheme I: Full-time registration with Institute Fellowship or other Govt. Fellowships like CSIR-UGC JRF/KSCSTE/INSPIRE etc.

Scheme II: Full-time registration under the Self-Sponsored category

Scheme III: Full-time registration for candidates sponsored from Industry or other organizations including Educational Institutions

Scheme IV: Internal Registration for regular staff employed at NITC/ Research staff employed in funded projects at NITC

Scheme V: External (Part-time) Registration for candidates, from Industry or other organizations including Educational Institutions, who possess a post graduate degree

Scheme VI: External (Part-time) Registration to Direct PhD programme for candidates working in Industry/R&D Labs/Medical Institutions who do not have a post graduate degree but have relevant experience in reputed Industry/R&D Labs/Medical Institutions.

i. Prospective candidates can apply for **scheme I** mentioned above, under two categories: (i) The regular full-time scheme for candidates who possess post graduate degree in the appropriate branch/discipline of study as specified by the individual departments/schools and (ii) The Direct Ph. D. scheme where B. Tech/ B.E./B. Arch/B. Plan./ B. Des./ B.S. (Four-

year degree program) graduates with good academic records and research potential. It may be noted that the direct Ph.D. programme is offered by the Engineering departments/Department of Physics/ Department of Architecture & Planning/ other Schools of NITC. Candidates selected under scheme I are eligible for institute fellowship. For those candidates who are qualified to receive fellowships from external agencies, the amount of fellowship shall be as per the norms of the funding agency.

ii. Candidates applying under **scheme II**, if selected for the Ph.D. programme, will be in the self-supporting mode. Such candidates will not receive any kind of fellowship/stipend from the institute. However, the students can try to get external funding after joining the Institute or/move to any internal funding scheme if available (eg: Ramanujan Fellowship/Inspire Fellowship etc.). They will also be able to join as Research staff of funded projects, if any, granted to the thesis guide/others subject to the approval of the Guide/funding agency.

iii. Prospective candidates applying for the Ph.D. programmes under **scheme III** shall be sponsored and financed by the sponsoring institute /organization/company. They are not entitled for Institute fellowship. The candidate must be a regular employee of a recognized Institution/Organization/Company with at least two years of continuous service. He/she should produce a sponsorship certificate form the Head of the Institution/Organization/Company along with the application. The employer should also indicate that the candidates will not be withdrawn midway till the completion of the course.

iv. Candidates applying under **scheme IV** must be regular staff of NITC or research staff of funded projects employed at NITC. Such candidates have to attach a recommendation letter from the concerned HOD/Principal Investigator along with the application. The fellowship given to the research staff working in funded projects who joins the Ph.D. program will be as per the terms and conditions of the funded project. Such candidates can apply for Institute fellowship, if the Ph.D. programme is not completed within the duration of the project and it may be granted subject to the availability of fellowship at that point of time. They can also join as a research staff in a subsequent funded project in the institute with the consent of the thesis supervisor. If the research staff who has joined as a Ph.D. candidate under this scheme resigns his/her job before the completion of the funded project, his/her Ph.D. registration shall stand automatically cancelled. However, if he/she has completed the course work and comprehensive examination, he/she can be allowed to continue the research work as external registrant, if the Doctoral Committee of the research scholar recommends the same.

v. Candidates employed in Research and Development organizations/National Laboratories/Industries/Academic Institutions can apply for Ph.D. admission under **scheme V** provided they have minimum of two years' experience at the time of application and **possess a post graduate degree in relevant discipline**. Such candidates have to submit a no objection-cum-Experience certificate, stating that the institute/organization/ company has no objection to the candidate joining for Ph.D. programme at NIT Calicut under the external (part-time) registration scheme, along with the application. Once admitted for the Ph.D. programme, there will not be mandatory residential requirements

for such candidates. They are expected to complete the course work by opting for certified SWAYAM/MOOC/NPTEL courses or courses from similar platforms approved by the concerned Doctoral Committee. They can also credit courses offered by various departments/schools at NITC. In such cases, attendance will not be made mandatory.

vi. **Scheme VI** is specifically for External Registration to Direct PhD programme for candidates working in industry **who do not have a post graduate degree but have relevant experience in reputed Industry/R&D Labs/Medical Institutions**. The candidates applying for admission to Ph.D. Programmes under **Scheme VI** must have passed 4-year B.E./B.Tech./B.S./B.Plan./B.Des Degree or 5-year B.Arch/MBBS/BDS degree **with a minimum of 50% marks (CGPA 5.0/10)** in the qualifying examination. Candidates who secured B. Tech./B.E/B.Arch./B. Plan./B.Des degree under lateral entry should also have passed the three-year diploma in engineering with a minimum of 50% marks. Holders of AMIE/other nationally approved programmes equivalent to B. Tech/B.E. in an appropriate area of study may also be considered eligible. **It is desirable for the applicants to have patents or research publications in reputed conferences/journals. This may be considered as a desirable eligibility condition for the candidates seeking admission under this category**. Selection of candidates for the PhD programme under Scheme VI shall be based on their performance in written test and/or interview conducted by the concerned Department/School. The applicant must be an employee of the Industry/ R&D organization/ Medical Institution *with five years of total experience* and be engaged in professional work in the broad area to which Ph.D. admission is sought. A *No objection-cum-experience certificate* (in the format specified by NIT Calicut) issued by the competent authority of the present company/organization/Medical Institution shall be attached along with the application. Such candidates will pursue the PhD programme along with their job. Candidates admitted to this program are required to complete the requirements such as Semester registration, Course work, DC meetings, Comprehensive examination, Open seminar, Synopsis submission and Thesis submission as per the relevant rules applicable for candidates admitted in Scheme-V. Course work requirements shall be the same as that specified for Direct PhD candidates under Scheme-I. Candidates working in Engineering/Science colleges or other similar institutions are not eligible to apply under this scheme.

2. Reservation Policy

Government of India reservation policy will be followed for GEN-EWS/OBC-NCL/SC/ST and the Persons with Disabilities (PwD) categories for candidates admitted for the Ph.D. programme under scheme I. In the absence of application from PwD candidates, the seat reserved for PwD category will be filled by the candidate(s) who belong to the same category (without PwD).

3. Eligibility & Academic Requirements for Admission to Ph.D. Programmes (Schemes I to V)

The candidates applying for admission to Ph.D. Programmes at NITC have to satisfy the following minimum academic eligibility requirements as given below:

A. Faculty of Engineering:

The candidates applying for admission to Ph.D. Programmes in Engineering departments at NITC

must have passed M.E./M. Tech. Degree in the appropriate branch of study with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. Candidates are also required to have passed B.E./B. Tech. Degree in an appropriate branch with minimum 60% marks (CGPA 6.0/10) in the qualifying examination. [For SC/ST/PWD candidates the minimum percentage of marks is 55% (CGPA 5.5/10)]. Candidates who secured B. Tech./BE degree under lateral entry should have passed the three-year diploma in engineering with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates 55% marks (CGPA 5.5/10)]. Holders of AMIE (approved by AICTE) / other nationally approved programmes equivalent to B. Tech / B.E. in an appropriate area of study, may also be considered eligible.

An additional criterion of GATE score (obtained at some point of time in the past) in the respective disciplines or fellowships such as JRF/UGC/NET/CSIR/KSCSTE etc. or qualification in any other national level tests as specified by the GoI order* is also mandatory to apply for admission under scheme I. **&&**

The additional mandatory criterion mentioned above is not applicable for candidates applying under schemes II to VI.

For those who are qualified to receive fellowships from external agencies, the amount of fellowship shall be as per the norms of the Funding agency.

Department of Mechanical Engineering (ME): For admission to Ph. D program in ME Department, candidates with ME/M. Tech or equivalent in Mechanical Engineering(ME)/Production Engineering(PE) or in relevant disciplines related to the major areas of research available in ME department are eligible to apply.

Department of Chemical Engineering: For admissions to PhD programme in Department of Chemical engineering, the candidates must possess ME/M.Tech/M.Tech (by research)/MS/MS (by research) / Integrated / dual degree M. Tech. in Chemical Engineering/ or any other relevant branch of Engineering and Technology including Petroleum/ Petrochemical/Energy/Environmental Technology/Biotechnology/Industrial Biotechnology/ Biochemical/Polymer science &Technology/Ceramic/Nanotechnology/Material science/Thermal Engineering/Metallurgy/ Applied Electronics / Instrumentation and Control.

Department of Electronics and Communication Engineering (ECE): For admission to Ph. D program in ECE Department, candidates with ME/M. Tech or equivalent in Electronics and Communication Engineering (ECE)/Electrical Engineering (EE)/Computer Science and Engineering (CSE) or in relevant disciplines related to major areas of research available in ECE department are eligible to apply.

Department of Electrical Engineering (EED):
For admission to Ph. D programme in EED, candidates with BE/B. Tech and/or MTech or equivalent in Electrical Engineering (EE)/Electrical & Electronics Engineering (EEE)/ Electronics & Communication Engineering (ECE)/Applied Electronics & Instrumentation (AEI)/Electronics & Instrumentation (EI)/Instrumentation & Control (IC) /Avionics (AVN) or in relevant disciplines related to major areas of research available in EE department are eligible to apply.

&&This condition is not mandatory for admissions (under scheme 1) to PhD programme in the Department of Chemical Engineering for the academic year 2023-24. However, the selection of the candidates will be based on written test & interview conducted by the Department of Chemical Engineering.

B. Department of Architecture and Planning

Master's degree in Architecture/Design/Planning/Engineering/Technology or in any other relevant disciplines (such as in Geography, Sociology, Economics, Disaster management etc.) related to major areas of research available in the department with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. Candidates are also required to have passed the relevant undergraduate degree with minimum 60% marks (CGPA 6.0/10) in the qualifying examination [For SC/ST/PWD candidates the minimum mark is 55% (CGPA 5.5/10)]. Candidates who secured B. Arch/ B. Plan./ B. Tech. degree under lateral entry should have passed the three-year diploma in engineering with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates 55% marks (CGPA 5.5/10)]. Holders of AMIE (approved by AICTE) / other nationally approved programmes equivalent to B.Arch. / B. Plan. may also be considered eligible.

An additional criterion of GATE score (obtained at some point of time in the past) in the respective disciplines or fellowships such as JRF/UGC/NET/CSIR/KSCSTE etc. or qualification in any other national level tests specified by the GoI order* is also mandatory to apply for admission under scheme I.

The additional mandatory criterion mentioned above is not applicable for candidates applying under schemes II to VI.

For those who are qualified to receive fellowships from external agency, the amount of fellowship shall be as per the norms of the Funding agency.

C. School of Materials Science and Engineering

M.E./M. Tech./MS Degree in the appropriate branch of study /Nanoscience and Technology with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. An additional criterion of GATE score (obtained at some point of time in the past) in the respective discipline or fellowships such as JRF/UGC/NET/CSIR/KSCSTE etc. or qualification in any other national level tests as specified by the GoI order* is also mandatory for candidates applying under scheme I.

<div align="center">OR</div>

Master's degree in Chemistry/Physics/Life science/Nanoscience and Technology/ any other relevant disciplines related to major areas of research available in the department with minimum 60 % marks (CGPA 6.0/10) or equivalent, [for SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. A valid GATE score or UGC/CSIR/NBHM/NET/KSCSTE fellowship in the relevant area, tenable from the current year is also mandatory for candidates applying under scheme I.

<div align="center">OR</div>

A master's degree in Medicine/Surgery with a Bachelor's degree in MBBS/BDS/Bachelor of Ayurvedic Medicine and Surgery/Bachelor of Siddha Medicine and Surgery/ Bachelor of Homeopathic Medicine and Surgery/ Bachelor of Naturopathy & Yoga/ Bachelor of Unani Medicine & Surgery with minimum 60% marks (CGPA 6.0/10), [For SC/ST/PWD candidates, the minimum

mark is 55% (CGPA 5.5/10)]. For applying under scheme I, A master's degree in Medicine with a Bachelor's degree in MBBS/BDS/Bachelor of Ayurvedic Medicine and Surgery/Bachelor of Siddha Medicine and Surgery/ Bachelor of Homeopathic Medicine and Surgery/ Bachelor of Naturopathy & Yoga/ Bachelor of Unani Medicine & Surgery should have qualified in any national level examination for their PG programme and they are exempted from GATE score and other fellowships such as NET-UGC/ CSIR/ NBHM/ KSCSTE/ INSPIRE/ DBT.

OR

A Master's degree in Veterinary Medicine/Agriculture with minimum 60 % marks (CGPA 6.0/10), [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. For applying under scheme I, candidates with Master's degree in Veterinary Medicine/Agriculture should have qualified in any national level examination for their PG programme and they are exempted from GATE score and other fellowships such as NET-UGC/ CSIR/ NBHM/ KSCSTE/ INSPIRE/ DBT.

Candidates applying under schemes II-VI do not require additional eligibility criteria such as GATE score or UGC/CSIR/NBHM/NET/KSCSTE fellowship.

Apart from this, the candidates should possess minimum 60% marks (CGPA 6.0/10) or equivalent in their Bachelor's degree as well [For SC/ST/PWD candidates, the minimum requirement is 55% marks (CGPA 5.5/10)].

D. School of Biotechnology

A Master's degree in Engineering/Technology/Pharmacy with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. An additional criterion of GATE/GPAT score (obtained at some point of time in the past) in the respective discipline or fellowships such as JRF/UGC/NET/CSIR/KSCSTE etc. or qualification in any other national level tests as specified by the GoI order* is also mandatory for candidates applying under scheme I.

OR

A Master's degree in any discipline in Science with minimum 60 % marks (CGPA 6.0/10) or equivalent, [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. A valid GATE score or fellowships such as NET-UGC/CSIR/NBHM/KSCSTE/INSPIRE/DBT in the relevant area, tenable from the current year is also mandatory for candidates applying under scheme I.

OR

A master's degree in Medicine/Surgery with a Bachelor's degree in MBBS/BDS/Bachelor of Ayurvedic Medicine and Surgery/Bachelor of Siddha Medicine and Surgery/ Bachelor of Homeopathic Medicine and Surgery/ Bachelor of Naturopathy & Yoga/ Bachelor of Unani Medicine & Surgery with minimum 60% marks (CGPA 6.0/10), [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. For applying under scheme I, the candidates should have a master's degree in Medicine with a Bachelor's degree in MBBS/BDS/Bachelor of Ayurvedic Medicine and Surgery/Bachelor of Siddha Medicine and Surgery/ Bachelor of Homeopathic Medicine and Surgery/ Bachelor of Naturopathy & Yoga/ Bachelor of Unani Medicine & Surgery. If such candidates have qualified any national level examination for their PG programme, they are exempted from GATE score and other fellowships such as NET-UGC/ CSIR/ NBHM/ KSCSTE/ INSPIRE/ DBT.

OR

A Master's degree in Veterinary Medicine/Agriculture with minimum 60 % marks (CGPA 6.0/10), [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. For applying under scheme

I, candidates with Master's degree in Veterinary Medicine/Agriculture should have qualified in any national level examination for their PG programme and they are exempted from GATE score and other fellowships such as NET-UGC/ CSIR/ NBHM/ KSCSTE/ INSPIRE/ DBT.

Candidates applying under schemes II to VI do not require additional eligibility criteria such as GATE score or UGC/CSIR/NBHM/NET/KSCSTE/DBT fellowship.

Apart from this, the candidates should possess minimum 60% marks (CGPA 6.0/10) or equivalent in their Bachelor's degrees as well [For SC/ST/PWD candidates, the minimum requirement is 55% marks (CGPA 5.5/10)].

E. Department of Chemistry/Physics/Mathematics

Master's degree in an appropriate subject of Mathematics/Statistics/Chemistry/Physics/ Life Sciences/ Electronics/Computer Science and Applications/ Nano Science and Technology/ Material Science/ Photonics with minimum 60% marks (CGPA 6.0/10) or equivalent [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. A valid NET/GATE score or UGC/CSIR/NBHM/NET/JEST/KSCSTE or any other National fellowship in the relevantareas tenable from the current year, is also mandatory for candidates applying under scheme I.

OR

M.E./M. Tech. Degree in the appropriate branch of study in relevant disciplines related to the major areas of research available in these departments with minimum 60% marks (CGPA 6.0/10) [For SC/ST/PWD candidates, the minimum mark is 55% (CGPA 5.5/10)]. An additional criterion of GATE score (obtained at some point of time in the past) in the respective disciplines or fellowships such as JRF/UGC/NET/CSIR/KSCSTE etc. or qualification in any other national level tests as specified by the GoI order* is also mandatory for candidates applying under scheme I.

Candidates applying under schemes II to VI do not require additional eligibility criteria such as GATE Score or UGC/CSIR/NBHM/NET/JEST/KSCSTE fellowship.

Apart from this, the candidates should possess minimum 60% marks (CGPA 6.0/10) or equivalent in their Bachelor's degree as well [For SC/ST/PWD candidates, the minimum requirement is 55% mark (CGPA 5.5/10)].

F. School of Management Studies

Candidates should possess minimum 60% marks (CGPA 6.0/10) or equivalent both in Bachelors and Master's degrees in a relevant area from an Institution recognized by UGC/AICTE [For SC/ST/PWD candidates, the minimum requirement is 55% mark (CGPA 5.5/10) or equivalent both in Bachelors and Masters degrees]. Candidates shall be required to have passed both the bachelors and Master's degrees in regular full-time mode. In addition, the candidates should have a valid GATE score or UGC/NET/CSIR/JRF fellowship in the relevant areas tenable from the current year to apply under scheme I. For candidates who have master's degree in engineering and technology, an additional criterion of GATE score (obtained at some point of time in the past) in the respective disciplines or fellowships such as JRF/UGC/NET/CSIR//KSCSTE etc. or qualification in any other national level tests as specified by the GoI order* is mandatory to apply under scheme I.

Candidates applying under schemes II to VI do not require additional eligibility criteria such as GATE score or UGC/CSIR/NBHM/NET/JEST/KSCSTE fellowship.

4. Eligibility & Academic Requirements for Admission to Direct Ph.D. Programme (Full-time) under Scheme I

Candidates with B.E./ B. Tech./ B. Arch./ B. Plan./ B. Des./B.S. (Four-year degree program) or equivalent with 8.5 CGPA on a 10-point scale or 85% Marks [For SC/ST/PWD candidates, 8 CGPA on a 10-point scale or 80% Marks] are eligible to apply for direct Ph. D admission within 5 years after obtaining the qualifying degree. Direct Ph.D. programme is offered by the Engineering Departments/Department of Physics/ Department of Architecture & Planning/ Other Schools of NIT Calicut.

An additional criterion of valid GATE score in the respective disciplines or fellowships such as JRF/UGC/NET/CSIR/KSCSTE etc. or qualification in any other national level tests as specified by the GoI order* is also mandatory. For those who are qualified to receive fellowships from external agency, the amount of fellowship shall be as per the norms of the Funding agency. If the candidate has completed the UG degree from CFTI (Centrally Funded Technical Institute), valid GATE score is not mandatory for direct Ph.D. admissions.

5. Eligibility & Academic Requirements for Admission to Direct PhD programme (External -Part-time) under Scheme VI

Scheme VI is specifically for External (part-time) Registration to Direct PhD programme for candidates working in industry who do not have a post graduate degree but have relevant experience in reputed Industry/R&D Labs/Medical Institutions. The candidates applying for admission to Ph.D. Programmes under **Scheme VI** must have passed 4-year B.E./B.Tech./B.S./B.Plan./B.Des Degree or 5-year B.Arch/MBBS/BDS degree **with a minimum of 50% marks (CGPA 5.0/10)** in the qualifying examination. Candidates who secured B. Tech./B.E/B.Arch./B. Plan./B.Des degree under lateral entry should also have passed the three-year diploma in engineering with a minimum of 50% marks. Holders of AMIE/other nationally approved programmes equivalent to B. Tech/B.E. in an appropriate area of study may also be considered eligible. **It is desirable for the applicants to have patents or research publications in reputed conferences/journals. This may be considered as a desirable eligibility condition for the candidates seeking admission under this category**.

6. Candidates Holding Degrees from Foreign Universities

If the candidates applying for Ph.D. admission at NITC have secured their undergraduate/post graduate degrees from foreign universities, they have to produce a certificate stating that the degrees of the candidates have been recognized and approved by the Association of Indian Universities (AIU)/ Commonwealth Universities/International Association of Universities (IAU)/Accredited Universities as equivalent to the corresponding Indian degrees for the purpose of higher studies. However, if the candidates have secured their undergraduate/post graduate degrees from reputed foreign institutions (i.e., institutions within QS rank ≤500), their applications will

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* GoI order: GoI order No. F. No. 33 – 1/2019 – TS.III dated 1st February 2019 by the Ministry of HRD, GOI "Revision of emoluments and guidelines on service conditions for research personnel engaged in R&D programme of the Central Government Departments/Agencies.

be considered by an expert committee constituted in this regard.

7. Selection of Candidates

Selection of candidates for the Ph.D. Programmes at NITC will be through an admission process as decided by the respective Department/School, provided the candidates satisfy the minimum eligibility criterion as detailed above.

8. Fee Structure

The fee structure for Ph.D. Programme (Scheme I) 2023-24 admissions is given below.

Tuition Fee may vary as per the directives of Ministry of HRD, Government of India from time to time. The present tuition fee is as per MHRD Order F. No. 33-4/2014-TS.III dated 5th May, 2014 and subsequent clarifications under reference F No. 28/2013/TS.III dated 21st October, 2014. Other fees are as determined by the Institute as per provision of Statute No. 37(i)(b).

Fee Category		All Candidates
(a) Onetime fee at the time of admission#(Rs.)		
Caution Deposit	5,000	
Admission Fee	5,000	
Development Fee	10,000	
Library Fee	5,000	
Alumni Affairs Fee	2,000	
Career Development Fee	500	
Students Welfare Fee	1,000	
Association and Cultural Fee	1,000	
Convocation Fee	3,000	
Total (a)	**Rs.32,500/-**	
(b) Other Fee#(Rs.)	**Monsoon Semester 2023-24**	**Winter Semester 2023-24**
Tuition Fee	7,500*	7,500*
Registration Fee	1,750	1,750
Examination Fee**	1,500	1,500
Students Activities Fee	1,000	-
Health Centre Facility Fee	500	-
Sports Fee	1,000	-
Campus Amenities Fee	500	-
Computing Facility Fee	1,000	-
Internet Fee	500	-
Mediclaim***	755	-
Total (b)	**Rs.16,005**	**Rs. 10,750**
(c) Thesis Evaluation Fee	**Rs. 25,000/-##**	
Total Amount during admission	**Rs.48,505/-@**	

*NIL for SC/ST students
**To be paid upto 4th Semester only
***Mediclaim coverage will be available for the registered students from 31st July 2023 to 30th July 2024. Policy amount may vary year to year.
#Subject to revision every year.
##To be paid during the registration for Vth Semester

The fee structure for Ph. D Programme (Schemes II, III, V & VI) 2023-24 admissions is given below.

Tuition Fee may vary as per the directives of Ministry of HRD, Government of India from time to time. The present tuition fee is as per MHRD Order F. No. 33-4/2014-TS.III dated 5th May, 2014 and subsequent clarifications under reference F No. 28/2013/TS.III dated 21st October, 2014. Other fees are as determined by the Institute as per provision of Statute No. 37(i)(b).

Fee Category		All Candidates
(a) Onetime fee at the time of admission#(Rs.)		
Caution Deposit	5,000	
Admission Fee	5,000	
Development Fee	10,000	
Library Fee	5,000	
Alumni Affairs Fee	2,000	
Career Development Fee	500	
Students Welfare Fee	1,000	
Association and Cultural Fee	1,000	
Convocation Fee	3,000	
Total (a)	**Rs.32,500/-**	
(b) Other Fee#(Rs.)	**Monsoon Semester 2023-24**	**Winter Semester 2023-24**
Tuition Fee	12,000	12,000
Registration Fee	1,750	1,750
Examination Fee**	1,500	1,500
Students Activities Fee	1,000	-
Health Centre Facility Fee	500	-
Sports Fee	1,000	-
Campus Amenities Fee	500	-
Computing Facility Fee	1,000	-
Internet Fee	500	-
Mediclaim***	755	-
Total (b)	**Rs.20,505**	**Rs.15,250**
(c) Thesis Evaluation Fee#	**Rs. 25,000/-##**	
Total Amount during admission	**Rs.53,005/-@**	

**To be paid upto 4th Semester only
***Mediclaim coverage will be available for the registered students from 31st July 2023 to 30th July 2024. Policy amount may vary year to year.
#Subject to revision every year.
##To be paid during the registration for Vth Semester

The fee structure for Ph. D Programme (Scheme IV) 2023-24 admissions is given below.

Tuition Fee may vary as per the directives of Ministry of HRD, Government of India from time to time. The present tuition fee is as per MHRD Order F. No. 33-4/2014-TS.III dated 5th May, 2014 and subsequent clarifications under reference F No. 28/2013/TS.III dated 21st October, 2014. Other fees are as determined by the Institute as per provision of Statute No. 37(i)(b).

Fee Category		All Candidates
(a) Onetime fee at the time of admission#(Rs.)		
Caution Deposit	5,000	
Admission Fee	5,000	
Development Fee	10,000	
Library Fee	5,000	
Alumni Affairs Fee	2,000	
Career Development Fee	500	
Students Welfare Fee	1,000	
Association and Cultural Fee	1,000	
Convocation Fee	3,000	
Total (a)	**Rs.32,500/-**	
(b) Other Fee#(Rs.)	**Monsoon Semester 2023-24**	**Winter Semester 2023-24**
Tuition Fee	7,500	7,500
Registration Fee	1,750	1,750
Examination Fee**	1,500	1,500
Students Activities Fee	1,000	-
Health Centre Facility Fee	500	-
Sports Fee	1,000	-
Campus Amenities Fee	500	-
Computing Facility Fee	1,000	-
Internet Fee	500	-
Mediclaim***	755	-
Total (b)	**Rs.16,005**	**Rs.10,750**
(c) Thesis Evaluation Fee	Rs. 25,000/-##	
Total Amount during admission	Rs.48,505/-@	

**To be paid upto 4th Semester only
***Mediclaim coverage will be available for the registered students from 31st July 2023 to 30th July 2024. Policy amount may vary year to year.
#Subject to revision every year.
##To be paid during the registration for Vth Semester

9. **How to Apply?**
   a. Apply online using the following link:
      https://dss.nitc.ac.in/mtechapp/phd/frmlogin.aspx
   b. Register with your e-mail id and mobile number for creating a login in the online portal.
   c. Before login, keep the soft copy of the following documents ready with you for uploading in the portal.
      i. Degree certificates and consolidated mark list (If consolidated mark list is not available semester wise/ year wise mark lists combined in a single pdf file) (Maximum of 800 kB).

      OR

      A certificate from the Head of the Institution stating that he/she has appeared/appearing for the final semester examination (for candidates who are appearing for their final examination and are awaiting results)
      ii. Recent Photograph (Maximum of 120 kB)
      iii. Online fee payment receipt
      iv. Aadhaar Card
      v. First page of the research publications in Journals and Conferences
      vi. For candidates belonging to SC/ST category, Community Certificate from a competent authority (not below the rank of Tahsildar).
      vii. Certificate from the Medical Board of Govt. Medical Colleges/Dist. Head Quarters Hospitals, in the case of Physically Handicapped candidates.
      viii. Proof of National Level Eligibility Tests/Fellowships (GATE/ UGC/ CSIR/ NBHM/NET/ JEST/KSCSTE etc.) for candidates applying under Scheme I
      ix. **Candidates in the OPEN category belonging to Economically Weaker Sections (OPEN-EWS) and candidates belonging to Other Backward Classes (Non-Creamy Layer), i.e., OBC-NCL, have to upload an undertaking in the prescribed format available in the NITC webpage.**
      x. **Candidates finally shortlisted for test-cum-interview for PhD admissions (Monsoon 2023) at NIT Calicut under OBC-NCL category have to produce the recent OBC-NCL certificate at the time of test-cum-interview in respective department/schools. Such certificate shall be issued by a competent authority (not below the rank of Tahsildar) indicating the status regarding Creamy Layer based on financial year ending March 31, 2023 (i.e., the certificate should have been issued on or after 1st April, 2023).**
      xi. **Candidates finally shortlisted for test-cum-interview at NIT Calicut under OPEN-EWS category have to produce the recent EWS certificate at the time of test-cum-interview in respective department/schools. Such certificate shall be issued from a competent authority (not below the rank of Tahsildar) basedon financial year ending March 31, 2023 (i.e., the certificate should have been issued on or after 1st April, 2023).**
      xii. **If a candidate fails to produce the relevant category certificate as mentioned above at the time of test-cum-interview in respective department/schools, his/her claim for reservation will be cancelled. Thereafter, such candidates will be considered under OPEN category only.**

xiii. For candidates applying under scheme III, a *Sponsorship Certificate*, signed by the Head/Competent authority of the Institution/organization/Company has to be uploaded in the prescribed format.

xiv. For candidates applying under scheme IV, a No Objection Certificate from the Head of the department/school has to be uploaded.

xv. For candidates applying under schemes V & VI, a *No Objection-cum-Experience Certificate* signed by the Head/Competent authority of the Institution/organization/Company has to be uploaded, along with the application.

d. Candidates who wish to apply to multiple departments or schools (subject to fulfilling the eligibility criteria) should select each such department/school and pay the application fee separately considering the total no. of such departments (eg:- if a candidate under OPEN category wishes to apply to both CSE & ECE departments, he/she has to pay Rs.1000/- for each department). However, candidates applying for multiple schemes under one department need to pay the application fee for that department only (Payment details and copy of the same fee payment receipt may be uploaded again).

e. Application fee has to be made through State Bank Collect (online) by following link https://www.onlinesbi.com/sbicollect/icollecthome.htm?corpID=365553 using Net Banking/Credit Card/SBI Challan (by cash) by choosing the payment category as **Ph.D. APPLICATION FEE PAYMENT MONSOON SEMESTER 2023 (Select Kerala → Educational Institutions → Director, National institute of Technology Calicut → Ph.D. APPLICATION FEE PAYMENT MONSOON SEMESTER 2023)**. After successful completion of the fee payment, save the fee payment receipt for uploading the details along with the application form. **Application fee details are as follows: Rs. 1,000/- for OPEN/EWS/OBC/PwD candidates and Rs. 500/- for SC/ST candidates. APPLICATION FEE IS NON- REFUNDABLE.**

- The formats of all required certificates are available in our website.
    https://nitc.ac.in/pg-formats-of-certificates
- The details of short listed candidates for the selection process for admissions to the Ph.D. Programme will be available in NITC website in due course. Details regarding test and/interview will be informed by the concerned Department/School.

10. Hostel Facility:

Limited Hostel facilities are available for the students. Hostel Room Allotment will be done subject to availability of vacant rooms. Fee structure for the hostel accommodation is available in the following link:

http://www.nitc.ac.in/app/webroot/img/upload/newsfile_2848.pdf

11. Institute Fee Refund Rules

Refund of fee shall be permitted to a student who leaves the academic programme till such dates that will permit the Institute to fill the vacancy so created through subsequent seat allotment

process of the Institute. In such cases, all fee and deposits paid at the time of admission will be refunded after a deduction of processing fee of Rs. 1,000/- (Rupees One Thousand only). No fee other than Caution Deposit shall be refunded to students who withdraw admission after such stipulated dates.

12. Important Dates

Events	Dates
Activation of the website for submission of online application	**15th March 2023 (9.00AM)**
Last date for submission of completedapplication form through on-line	**17th April 2023 (5.00PM)**
Publishing the list of short listed candidates for the selection process, in the website	**15th May 2023 (Tentative)**
Selection process for short listed candidates (Offline Mode)	**12th – 16th June 2023 (Tentative)**
Publishing list of selected candidates for provisional admission, in the website	To be announced later
Date of Admission and Reporting for the Programme	

LEGAL JURISDICTION

All disputes pertaining to the counselling and admission for the Ph.D. programme of NIT Calicut shall fall within the jurisdiction of High Court of Kerala only.

DISCLAIMER

The statement made in the information brochure and all other information contained herein is believed to be correct at the time of publication. However, the Institute reserves the right to make at any time without notice, changes in and additions to the regulations, conditions governing the admission, requirements, seats, fees and any other information, or statements contained in this information brochure. No responsibility will be accepted by the Institute/Chairperson- PG Admissions for hardship or expenses encountered by its students/any other person for such changes, additions, omissions or errors, no matter how they are caused.

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