



National Institute of Technology Karnataka
Surathkal · Mangaluru – 575 025 · Karnataka, India

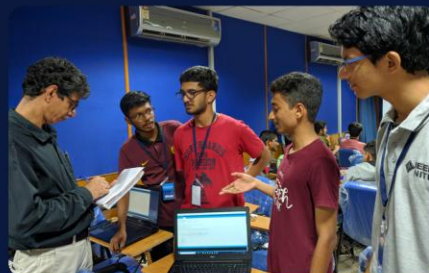


INFORMATION BULLETIN

Admission to M.Tech. (Research) and Ph.D. Programmes

2026-27 · Winter Session

Dean (Academic Programs)



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SECTION 1

General

1.1 About the Institute

The National Institute of Technology Karnataka (NITK), Surathkal is a top-ranked Institute in India with a history dating back to 1960. Declared an Institute of National Importance under the NIT Act 2007, it is governed by the rules and statutes of the Act within the national framework for technical education.

The Institute has played a significant role in providing quality technical education and fostering research and development, contributing to the advancement of knowledge and technology. It maintains a long-standing tradition of research spanning both conventional and modern areas of engineering and the sciences across all departments. Its application-oriented research addresses societal challenges in focus areas such as environment, water resources, materials, rock mechanics, manufacturing, new structures, VLSI, power electronics, biomedical engineering, machine learning and artificial intelligence — a holistic, forward-thinking approach that benefits both the scientific community and society at large.

NITK has a robust and inclusive admission process that attracts a diverse pool of students nationally and internationally. Standardized entrance examinations — JEE Main for B.Tech., GATE for M.Tech., CAT/MAT/GATE for MBA and JAM for M.Sc. — reflect a merit-based selection. Foreign students join through exchange programmes, the Ministry of External Affairs (MEA), the Indian Council for Cultural Relations (ICCR) and the Direct Admission of Students Abroad (DASA) scheme. Scholarship seats for M.Tech. based on GATE scores, provision for sponsored students and self-financed categories for M.Tech., M.Sc. and MBA demonstrate the Institute's commitment to supporting academic excellence while accommodating a broad range of students. The emphasis on doctoral programmes — admitting candidates on Institute fellowships as well as externally sponsored candidates — speaks to its dedication to advanced research. A strong placement record, with high demand for graduates from top industries, is a testament to the quality of education and training at NITK.

1.2 Location

300 acres

Green campus

3 km

Surathkal railway station

20 km

Mangalore railway station

30 km

Mangalore (Bajpe) airport

NITK is located at Surathkal in Mangalore (Mangaluru), Dakshina Kannada district, Karnataka, on the Kanyakumari–Mumbai National Highway 66. The campus is set amid 300 acres of lush green surroundings on the outskirts of this coastal city, with the Western Ghats to the east and the Arabian Sea to the west. With temperatures ranging from 18 to 38 °C, the climate is moderate and pleasant year-round, and the seashore setting adds a refreshing, healthy atmosphere.

The location offers a peaceful, conducive environment for academic activities together with convenient connectivity to major Indian cities and international destinations by road, rail and air. NH 66 is a major artery along India's western coast; Mangalore Railway Station is about 20 km away and Surathkal Railway Station approximately 3 km. Mangalore (Bajpe) Airport, about 30 km away, serves domestic and international destinations, making travel convenient for students, faculty and visitors and supporting

collaborative activities, exchange programmes and engagements with institutions nationally and internationally.

1.3 Self-contained campus

Residential	Sports & wellness	Services
13 hostel blocks for boys (≈5,500) and 6 for girls (≈1,200), each with independent messes catering to diverse tastes; faculty quarters on campus foster a strong sense of community.	Outdoor and indoor games, swimming pool and gymnasium; N.C.C. and N.S.S. develop leadership and social responsibility; clubs for music, photography, web enthusiasts, dramatics and more.	Central library, well-equipped health-care centre, branches of State Bank of India and Canara Bank with ATMs, a post office and two canteens.

The residential campus contributes to overall development by providing not just academic facilities but also a sense of community, social interaction and a balanced lifestyle — promoting physical health, team spirit and a well-rounded education that goes beyond academic learning.

1.4 Computing and communication facilities

A campus-wide network spans academic buildings, guest houses, hostels and residences over approximately 20 km of 12/24-core optical fibre cable, with 1 Gbps and 10 Gbps links to buildings. Broadband is extended to campus residences; departments, residences, the directorate, administrative blocks, guest houses and hostels connect individually to the core switch, and hostel blocks are integrated with the academic network so bandwidth is shared across the Institute. Internet connectivity is available round the clock, and journals subscribed through the INDEST consortium are accessible across the campus LAN.

Approximately 1,000 indoor and 40 outdoor Wi-Fi access points extend the wired network with seamless roaming. The NITK data centre integrates the backbone with internet connections from BSNL and the National Knowledge Network, providing reliable, redundant connectivity for academic, research and administrative needs. The Centre for Computational Computing (CCC) uses Proxmox virtualization and Ubuntu containerization, and hosts a campus-wide licence for MATLAB, Simulink and companion products that faculty, researchers and students may download and install.

1.5 Library facilities

1.5 lakh Print materials	12,045 e-Journals	11,202 e-Books	1,000+ Seats, fully air-conditioned
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The Central Library is a hub for academic and research activity, with a rich collection of 1.5 lakh print materials covering Engineering, Science, Social Sciences, Humanities and Management, 100+ print journals, 25 e-databases and an extensive range of electronic resources. As a core member of e-ShodhSindhu, it provides access to over 10,000 quality e-resources, including databases from the American Chemical Society, American Physical Society, IoP, Royal Society of Chemistry, Emerald, Taylor & Francis, American Mathematical Society, Annual Reviews, ASME, IEEE, JSTOR, MathSciNet, Nature,

ScienceDirect and SpringerLink. Grammarly Premium and the Turnitin plagiarism-checking service are particularly useful for Ph.D. and M.Tech. by Research students; remote access and a mobile app extend the library beyond its walls.

The library is fully computerised on the Koha web-based management system for real-time book status and reservations. The new eLibrary Complex offers an e-Studio for lecture capture and live streaming, two cyber libraries with 50+ computers, two seminar halls, eight discussion rooms, a dedicated Research Scholars section, digital reading rooms and laptop zones, serving 7,000+ on-campus users 24×7 alongside an in-house cafeteria.

1.6 Disciplines of study

The Institute offers undergraduate programmes in 11 disciplines and 28 post-graduate programmes in specialized areas of engineering, along with research leading to Ph.D. degrees in Engineering, Science and Humanities & Social Sciences. Academic responsibilities are shared by 14 teaching departments:

Chemical Engineering	Mathematical & Computational Sciences
Chemistry	Mechanical Engineering
Civil Engineering	Metallurgical & Materials Engineering
Computer Science & Engineering	Mining Engineering
Electrical & Electronics Engineering	Physics
Electronics & Communication Engineering	Humanities, Social Sciences & Management
Information Technology	Water Resources & Ocean Engineering

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SECTION 2

M.Tech. (Research) Admissions

2.1 Admission process, step by step

Step	What happens	When
01	Register on the online portal at www.nitk.ac.in	Portal opens 05 Oct 2026
02	Complete the online application and pay the application fee through the IRIS portal	On or before 01 Nov 2026
03	Send the hard copy of the application with fee receipt and copies of all documents to the Assistant Registrar (Academic)	To reach NITK by 05 Nov 2026
04	Shortlisting by the department; call letters sent by e-mail and announced on the website	13 Nov 2026
05	Written test and technical interview at NITK (offline / physical mode)	30 Nov – 02 Dec 2026
06	Departments send the recommended merit list to the Dean (Academic)	04 Dec 2026
07	Provisional selection list published on the website by the Dean (Academic)	11 Dec 2026
08	Fee payment, physical reporting and document verification for selected candidates	14 – 17 Dec 2026

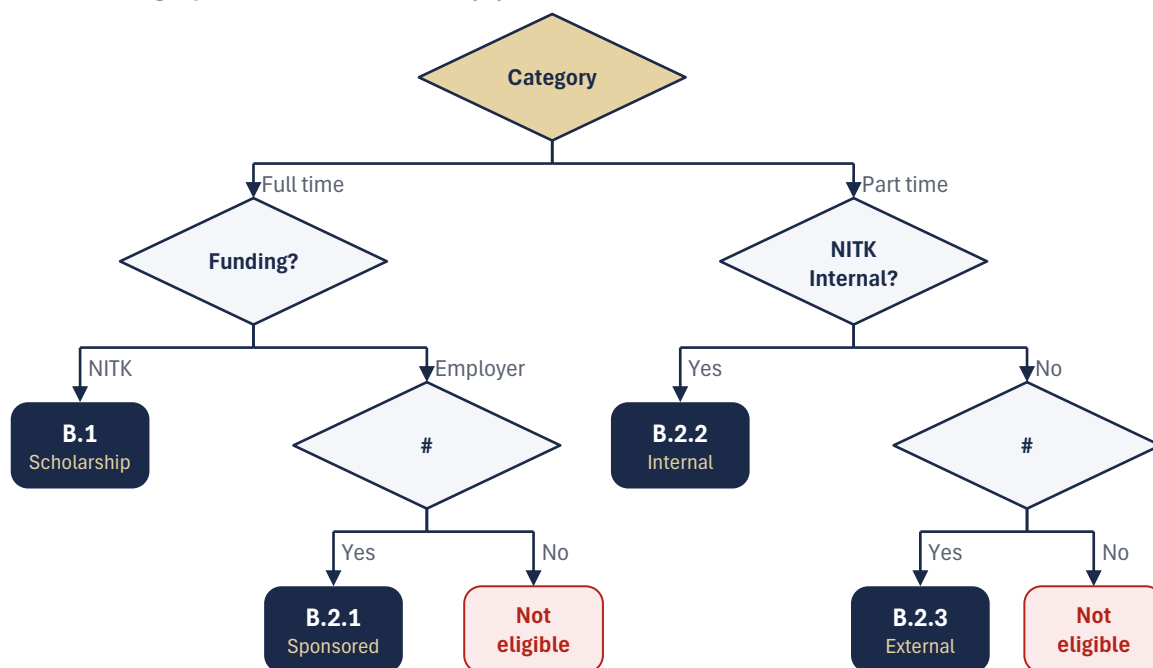
2.2 Guidelines for M.Tech.(R) admissions — seat categories

Category	Mode	Who is eligible / conditions
B.1 Scholarship	Full time	Valid GATE score; Institute scholarship for four semesters
B.2 Non-scholarship seats — sponsored / registrants		
B.2.1 Sponsored	Full time	Sponsored by industry / institutes / organizations
B.2.2 Internal registrants	Part time	Institute or project staff of NITK
B.2.3 External registrants	Part time	Sponsored; research carried out at the parent organization

- **B.1 Scholarship seats.** Candidates should possess a valid GATE score to receive the scholarship for four semesters, subject to MoE scholarship rules. Seats under B.1 and B.2 are allotted on performance in the qualifying examination together with a national-level written test and a technical interview, both held in physical mode at NITK, with weightages as decided by the DPGC of the department.
- **B.2.1 Sponsored (full time).** Sponsored and financed by the sponsoring organization; not entitled to Institute scholarship. Minimum **2 years of full-time work experience** in the sponsoring organization and a sponsorship-cum-clearance certificate in the NITK format submitted with the application.

- **B.2.2 Internal registrants (part time).** Sponsored institute or project staff of NITK; must produce a sponsorship-cum-clearance certificate from the Director, NITK.
- **B.2.3 External registrants (part time).** Sponsored by industry, educational institutes or other organizations; carry out research in the parent organization after fulfilling prerequisites at the Institute and may have an additional research guide there. Minimum 2 years of full-time experience in the sponsoring organization. Residential requirement may be waived; coursework is completed through DPGC pre-approved certified courses.

2.2.1 Seat category flowchart — M.Tech.(R)



Are you a regular employee of your current firm / institute for at least the past two years?

2.3 Minimum qualification / eligibility for M.Tech.(R)

General / OBC / EWS	SC / ST / PwD
CGPA $\geq$ 6.5 on a 0–10 scale, or not less than 60 % marks in aggregate	CGPA $\geq$ 6.0 on a 0–10 scale, or not less than 55 % marks in aggregate

Admission to an M.Tech.(R) programme is open to Indian nationals who have passed the prescribed qualifying examination with the above CGPA or aggregate marks, computed across all subjects of all public/university examinations conducted during the entire prescribed period of the degree programme.

2.4 Post-graduate programmes in Engineering offering M.Tech.(R)

Department	Specializations (code · name)
Chemical Engineering	CG Chemical Engineering ES Environmental Science and Technology IB Industrial Biotechnology

Department	Specializations (code · name)
Civil Engineering	ST Structural Engineering GT Geotechnical Engineering EN Environmental Engineering TS Transportation Engineering CM Construction Technology and Management (<i>incl. L&T-sponsored candidates</i>)
Computer Science and Engineering	CS Computer Science and Engineering IS Computer Science and Engineering – Information Security
Electrical and Electronics Engineering	P&ES Power & Energy Systems PE&C Power Electronics and Control PV Power Electronics and Control for Electric Vehicle (<i>BGSW-sponsored seats only</i>)
Electronics & Communication Engineering	VL VLSI Design CN Communication Engineering and Networks SP Signal Processing and Machine Learning
Information Technology	IT Information Technology
Mathematical & Computational Sciences	CD Computational and Data Science
Mechanical Engineering	TH Thermal Engineering MF Manufacturing Engineering MC Mechatronics Engineering MD Mechanical Design
Metallurgical & Materials Engineering	PT Materials Process Technology ML Materials Engineering NT Nanotechnology
Mining Engineering	RT Rock Excavation Technology and Management
Water Resources and Ocean Engineering	MS Marine Structures WR Water Resources Engineering and Management GF Geoinformatics

2.5 Qualifying examinations for M.Tech.(R) admissions

Departments, specializations and qualifying examinations as recommended by the DPGC of the respective departments.

#	Department	Specialization	Qualifying examination
1	Chemical Engineering	Chemical Engineering	B.E./B.Tech. in Chemical Engg / Polymer Technology / Ceramic and Cement Technology / Environmental Engineering / Instrumentation and Control / Bio-Chemical Engineering / Biotechnology / Petrochemical Engg; AMIE (Chemical Engineering) / A.M.I.I.Ch.E.
2	Chemical Engineering	Environmental Science & Technology	B.E./B.Tech. in Chemical / Mechanical / Civil / Mining Engineering / Polymer Technology / Ceramic and Cement Technology / Environmental Engineering / Bio-Chemical Engineering / Biotechnology / Petrochemical Engineering; AMIE (Chemical Engineering) / A.M.I.I.Ch.E.
3	Chemical Engineering	Industrial Biotechnology	B.E./B.Tech. in Biotechnology / Chemical Engineering / Biochemical Engineering / Bioprocess Engineering / Food Technology; M.Sc. in Biotechnology / Food Technology
4	Civil Engineering	Structural Engineering	B.E./B.Tech./B.Sc.(Engineering) in Civil Engineering / Structural Engineering of any recognised Indian university; AMIE in Civil Engineering.
5	Civil Engineering	Geotechnical Engineering	B.E./B.Tech./B.Sc.(Engineering) in Civil Engineering of any recognised Indian university; AMIE in Civil Engineering.
6	Civil Engineering	Environmental Engineering	B.E./B.Tech./B.Sc.(Engineering) in Civil / Chemical / Mechanical / Metallurgical / Mining Engg / Environmental Engg / Bio-Chemical Engineering / Bio-Technology / Agricultural Engg / Biological Science and Bio-Engg / Bio-Sciences & Bio-Engg / Bio-Tech Engineering / Bio Technology & Bio-Chemical Engineering / Chemical & Bio Engineering / Chemical Technology / Civil & Water Management / Civil Engg (Public Health Engg) / Civil Environmental Engg / Environment & Pollution Control / Environmental Science & Engineering / Environment Science and Technology / Health Science & Water Engg / Mining Technology / Paper & Pulp Engineering / Pulp Technology / Sugar Technology / Water Management / Bio-Engg / Chemical & Bio Engg / Bio-Chemical & Biotechnology Engineering; AMIE in Civil / Chemical Engineering of any recognised Indian university.
7	Civil Engineering	Transportation Engineering	B.E./B.Tech./B.Sc.(Engineering) in Civil Engineering / Highway Engg / Transportation Engg / Civil & Transportation Engineering / Civil & Transportation Technology / Construction Engineering of any recognised Indian university; AMIE in Civil Engineering.

#	Department	Specialization	Qualifying examination
8	Civil Engineering	Construction Technology and Management	B.E./B.Tech./B.Sc.(Engineering) in Civil Engineering / Civil Engg & Planning / Construction & Project Management / Construction Engineering / Construction Engineering Management / Construction Technology / Construction Technology and Management / Mining Engineering / Transportation Engineering / Environmental Engg / Structural Engineering / Infrastructure Engineering of any recognised Indian university; AMIE in Civil / Mining Engineering; Bachelor's degree in Architecture (B.Arch. / B.E. or B.Tech. in Architecture).
9	Computer Science and Engineering	Computer Science & Engineering	B.E./B.Tech. in Computer Science and Engineering / Computer Engineering / Computer Science / AI & ML / Data Science / Information Technology / Information Science with a valid GATE in CS .
10	Computer Science and Engineering	CSE – Information Security	B.E./B.Tech. in Computer Science and Engineering / Computer Engineering / Computer Science / AI & ML / Data Science / Information Technology / Information Science with a valid GATE in CS .
11	Electrical & Electronics Engineering	Power and Energy Systems	B.E./B.Tech./B.Sc.(Engg) in Electrical Engineering or Electrical & Electronics Engineering; AMIE in Electrical Engineering.
12	Electrical & Electronics Engineering	Power Electronics and Control	B.E./B.Tech./B.Sc.(Engg) in Electrical Engineering or Electrical & Electronics Engineering; AMIE in Electrical Engineering.
13	Electronics & Communication Engineering	VLSI Design	B.E./B.Tech./B.Sc.(Engineering) in E&C, Electronics & Telecommunications / Instrumentation Technology / E&E / Computer Science & Engineering / Electronics / Telecommunication / Electronics & Control / Biomedical Engineering / Medical Electronics; AMIETE (Electronics & Telecommunication).
14	Electronics & Communication Engineering	Communication Engineering and Networks	B.E./B.Tech./B.Sc.(Engineering) in E&C, Electronics & Telecommunications; AMIETE (Electronics & Telecommunication).
15	Electronics & Communication Engineering	Signal Processing and Machine Learning	(i) B.E./B.Tech./B.Sc.(Engineering) in E&C, Electronics & Telecommunications / Instrumentation Technology / E&E / Computer Science & Engineering / Electronics / Telecommunication / Electronics & Control / Biomedical Engineering / Medical Electronics / Information Science / Information Science and Engineering / Information Technology; (ii) AMIETE (Electronics & Telecommunication).

#	Department	Specialization	Qualifying examination
16	Information Technology	Information Technology	B.Tech./B.E. (CSE/IT or allied branches); AMIE in Computer Science & Engineering (by examination); AMIETE in Computer Science & Engineering and Information Technology (by examination). Valid GATE score in CS & IT or Data Science and AI.
17	Mathematical & Computational Sciences	Computational and Data Science	B.E./B.Tech. in any branch / 4-year B.S./B.Sc. (Engineering/Research) with Mathematics as one of the subjects, or M.Sc. in Mathematics / Statistics / Physics / Computer Science / IT / Information Science / Electronics, or M.C.A.
18	Mechanical Engineering	Thermal Engineering	B.E./B.Tech./AMIE in Mechanical Engineering / Automobile Engineering / Aeronautical Engineering / Aerospace Engg / Energy System Engg / Marine Technology / Power Plant Engg / Renewable Energy Engineering / Chemical Engg.
19	Mechanical Engineering	Manufacturing Engineering	B.E./B.Tech./AMIE in Mechanical Engineering / Industrial Engineering / Industrial and Production Engineering / Industrial Engineering and Management / Manufacturing Engineering / Production Engineering / Tool Engineering.
20	Mechanical Engineering	Mechatronics Engineering	All categories except B.2.2: B.E./B.Tech./AMIE in Mechanical Engineering; Electronics & Communication / Electrical & Electronics / Instrumentation & Control / Electronics & Instrumentation / Robotics & Artificial Intelligence; Mechatronics / Industrial Production / Production / Manufacturing / Industrial / Aeronautical / Automobile Engineering. Only for B.2.2 internal registrants: (i) B.E./B.Tech./AMIE in any engineering programme; (ii) M.Sc. in Mechatronics or any relevant programme; (iii) MCA.
21	Mechanical Engineering	Mechanical Design	B.E./B.Tech./AMIE in Mechanical Engineering, Automobile Engg, Manufacturing Engineering, Aeronautical / Aerospace Engineering, Production Engineering.
22	Metallurgical & Materials Engineering	Materials Process Technology	B.E./B.Tech./B.Sc.(Engineering) in Metallurgical Engineering / Industrial & Production Engg / Metallurgy / Metallurgical & Materials Engineering / Metallurgical Engg & Materials Science / Metallurgical & Materials Technology / Mechanical Engg / Chemical Engg / Production Engineering / Ceramics Engineering; AMIE in Metallurgical / Mechanical Engineering (by examination); A.M.I.I.M. (by examination); M.Sc. Chemistry (Physical / Analytical / Industrial / Applied Inorganic); M.Sc. (Materials Science); Master's degree in Mineral Beneficiation / Mineral Processing / Ore Dressing.

#	Department	Specialization	Qualifying examination
23	Metallurgical & Materials Engineering	Materials Engineering	B.E./B.Tech./B.Sc.(Engineering) in Metallurgy / Mechanical / Chemical Engineering / Industrial Production / Polymer Technology / Ceramic & Cement Technology / Manufacturing Engineering / Industrial & Production Engg / Metallurgical & Materials Engineering / Metallurgical Engineering / Metallurgical Engg & Materials Science / Polymer Science & Technology / Polymer Science & Rubber Technology / Metallurgy & Materials Technology / Production Engineering; AMIE in Mechanical / Metallurgical Engineering (by examination); AMIIM (by examination); M.Sc. (Materials Science / Physics / Chemistry – Physical / Analytical / Industrial / Applied / Inorganic).
24	Metallurgical & Materials Engineering	Nanotechnology	B.Tech. in Nanotechnology; M.Sc. in Physics, Chemistry, Materials Science, Biotechnology, Nanoscience / Nanotechnology; B.Tech./AMIE in Civil, Mechanical, E&E, E&C, Instrumentation, Chemical, Metallurgy, Mining Engineering, Metallurgical & Materials Engineering; AMIIM (by examination).
25	Mining Engineering	Rock Excavation Technology & Management <i>[M.Tech.(R) only]</i>	B.E./B.Tech./AMIE in Mining Engineering.
26	Water Resources and Ocean Engineering	Marine Structures	B.E./B.Tech. in Civil Engineering / Geoinformatics Engineering; AMIE in Civil Engineering.
27	Water Resources and Ocean Engineering	Water Resources Engineering and Management	B.E./B.Tech. in Civil Engineering, Agricultural Engineering, Geoinformatics Engineering, Environmental Engineering; AMIE in Civil Engineering.
28	Water Resources and Ocean Engineering	Geoinformatics	B.E./B.Tech. in Civil Engineering, Agricultural Engineering, Geoinformatics Engineering, Environmental Engineering; AMIE in Civil Engineering.

3

SECTION 3

Ph.D. Admissions

3.1 Admission process, step by step

Step	What happens	When
01	Register and apply online on the portal; pay the application fee through IRIS	On or before 01 Nov 2026
02	Hard copy of the application with receipt and documents to the Assistant Registrar (Academic)	To reach NITK by 05 Nov 2026
03	Sponsored / QIP candidates: application forwarded through proper channel with the sponsorship certificate	With the hard copy
04	DRPC shortlists candidates; call letters sent by e-mail and announced on the website	13 Nov 2026
05	Written test (40 %) and technical interview (60 %) at NITK, physical mode	30 Nov – 02 Dec 2026
06	DRPC sends the recommended merit list to the Dean (Academic)	04 Dec 2026
07	Provisional selection list published on the website by the Dean (Academic)	11 Dec 2026
08	Fee payment, physical reporting and document verification for selected candidates	14 – 17 Dec 2026

3.2 Guidelines for Ph.D. admissions — seat categories

A · Scholarship seats (full time, Institute fellowship)	B · Non-scholarship seats
A.1 M.E./M.Tech. or equivalent degree — with or without GATE. A.2 B.E./B.Tech. or equivalent (direct admission) — qualifying GATE score required, except for graduates of centrally funded Institutes. A.3 M.Sc./M.A./M.C.A./M.B.A. or Master's degree in a relevant discipline — with qualifying GATE / UGC-NET / CSIR / NBHM / DAE-JEST (exempted if the Master's is from a centrally funded Institute).	B.1 QIP seats (full time) B.2 Full-time sponsored — industry, educational institution or other organizations B.3 Internal registrants — sponsored Institute or project staff of NITK (part time) B.4 Full-time non-sponsored / non-scholarship B.5 External registrants — sponsored (part time)

Common requirement. For all Ph.D. admissions under all categories, the candidate must qualify the national-level written test and technical interview, both conducted by the respective DRPC in physical mode at NITK.

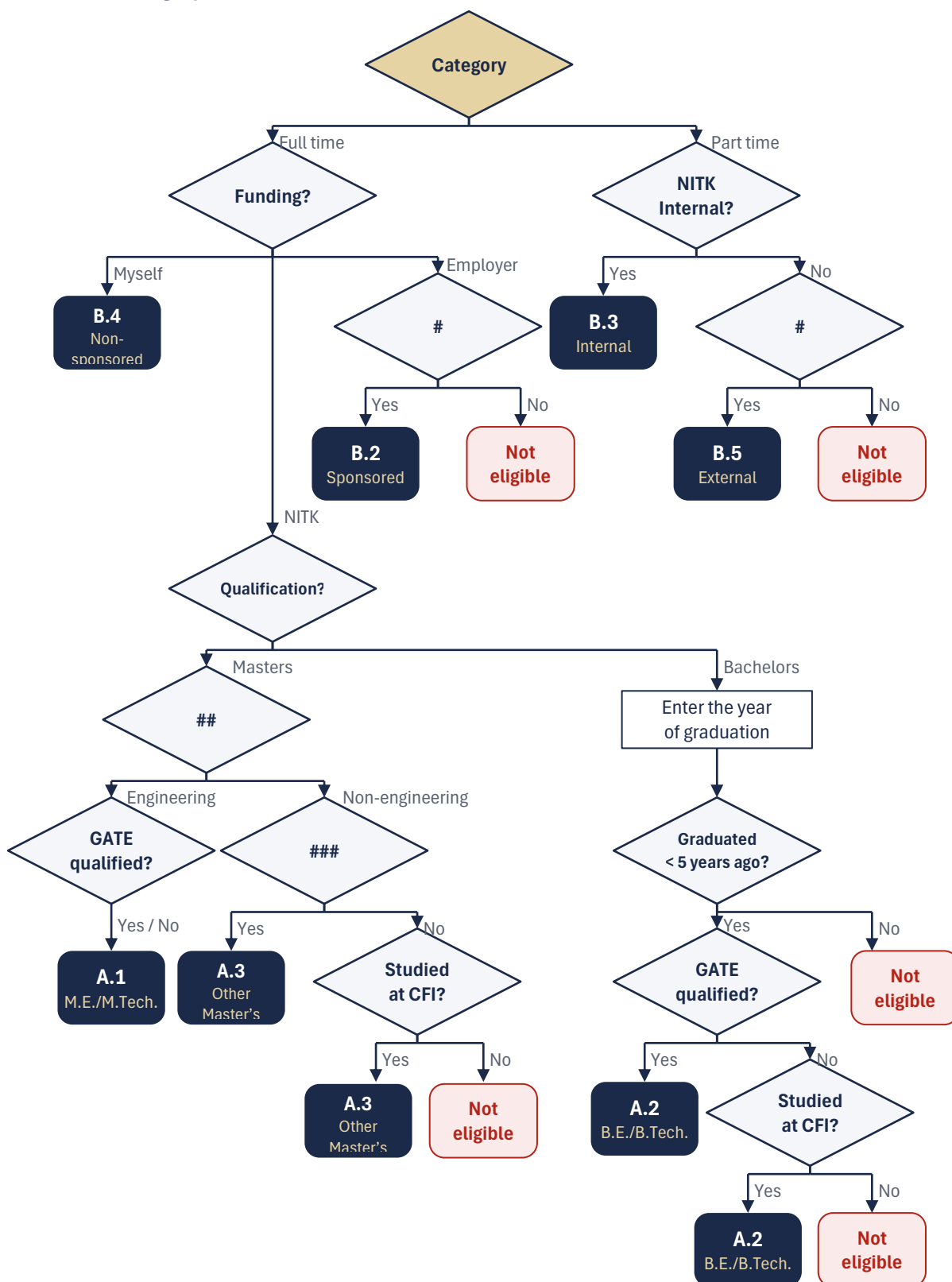
3.2.1 Scholarship seats in detail

- **A.1** — candidates with M.E./M.Tech. or equivalent as the qualifying degree are eligible with or without a GATE score.
- **A.2** — direct admission for B.Tech./B.E./B.Arch./B.Plan./B.Des./B.S. (four-year) in a relevant discipline within five years of obtaining the degree; a qualifying GATE score is required, except for graduates of centrally funded Institutes.
- **A.3** — M.Sc./M.A./M.B.A./M.C.A./Master's in a relevant discipline with qualifying GATE / UGC-NET / CSIR / NBHM / DAE-JEST; those with the Master's degree from a centrally funded Institute are exempted.

3.2.2 Non-scholarship seats in detail

Type	Who	Conditions
B.1	QIP (full time)	Quality Improvement Programme implemented and monitored by AICTE. Only sponsored teachers who are permanent faculty of AICTE-recognised degree/diploma colleges are eligible.
B.2	Sponsored (full time)	Sponsored and financed by the organization. Minimum 2 years of full-time work experience there; sponsorship-cum-clearance certificate in NITK format with the application.
B.3	Internal registrants (part time)	Sponsored Institute or project staff of NITK; sponsorship-cum-clearance certificate from the Director, NITK.
B.4	Non-sponsored (full time)	Not entitled to Institute scholarship. Admissions restricted to the number of vacant seats in type A against the sanctioned intake.
B.5	External registrants (part time)	Sponsored by industry / educational institution. Minimum 2 continuous years of full-time experience in the sponsoring organization; sponsorship-cum-clearance certificate with the application. Research carried out in the parent organization after prerequisites at NITK; an additional research guide from the sponsor is permitted. Residential requirement may be waived; coursework via DRPC pre-approved certified courses.

3.2.3 Seat category flowchart — Ph.D.



Are you a regular employee of your current firm / institute for at least the past two years?

Is your Master's an engineering degree (M.E./M.Tech.) or a non-engineering degree (M.Sc./M.A./M.C.A./M.B.A.)?

Are you GATE / UGC-NET / CSIR / NBHM / DAE-JEST qualified?

3.3 Minimum qualification / eligibility for Ph.D.

Open to Indian nationals. CGPA on a 0–10 scale; aggregate marks computed across all subjects of all public/university examinations during the entire prescribed period of the qualifying degree.

Route / qualifying degree	General / OBC / EWS	SC / ST / PwD	Examination requirement and conditions
Route 1 · M.E./M.Tech. or equivalent	CGPA $\geq$ 6.0 or 60 %	CGPA $\geq$ 5.5 or 55 %	GATE not mandatory.
Route 2 · Direct admission after B.E./B.Tech.	CGPA $\geq$ 8.0 or 80 %	CGPA $\geq$ 7.5 or 75 %	B.Tech./B.E./B.Arch./B.Plan./B.Des./B.S. (four-year) in a relevant discipline, within five years of the degree, with a qualifying GATE score. Graduates of a centrally funded Institute meeting the CGPA/marks threshold are exempted from GATE.
Route 3 · M.Sc./M.A./M.B.A./M.C.A. or other Master's	CGPA $\geq$ 6.0 or 60 %	CGPA $\geq$ 5.5 or 55 %	Plus a qualifying GATE / UGC-NET / CSIR / NBHM / DAE-JEST. Candidates whose Master's is from a centrally funded Institute with CGPA $\geq$ 8.0 or 80 % (SC/ST/PwD: 7.5 or 75 %) are exempted from this requirement.

3.4 Specializations in the Ph.D. programme

#	Department	Specializations
1	Chemical Engineering	Process Development, Particulate Systems, Environmental Engineering, Transfer Operations, Energy, Process Modelling and Simulation, Computational Fluid Dynamics, Nanosciences/Nanotechnology, Polymer Nanocomposites, Process Dynamics and Control, Molecular Simulations, Material Science, Machine Learning and Artificial Intelligence, Biotechnology, Biochemical Engineering, Bioprocess Engineering, Computational Biology, Food Technology/Processing, Bio-nanotechnology, Biochemistry, Microbiology, Molecular Biology.
2	Civil Engineering	Structural Engineering, Geotechnical Engineering, Transportation Engineering, Construction Technology and Management, Environmental Engineering and Earth Sciences.
3	Computer Science and Engineering	Theoretical Computer Science, Systems, Networks, Data Management, Distributed Computing, AI & ML, Data Analytics, Security, interdisciplinary research and applications involving Computer Science and Engineering.
4	Electrical and Electronics Engineering	Power and Energy Systems; Power Electronics and Electric Drives; Control Systems; New and Renewable Energy Systems; Insulation and High Voltage Engineering; application of Signal Processing and AI/ML algorithms in Electrical Engineering.

#	Department	Specializations
5	Electronics & Communication Engineering	Digital, analog and mixed-signal design; advanced computer architectures; semiconductor devices and modelling; nano-phonic devices and sensors; 2-D materials and devices; digital signal and image processing; computer vision; machine learning, deep learning and applications; biomedical signal and image processing; medical imaging; medical-clinical-pathological data informatics and decision support systems; radiology and microscopic image processing; remote-sensed image analysis and DIS applications; photogrammetry; speech-audio-music-video-multimedia information processing; design, synthesis and performance verification of channel codes for flash memory, magnetic storage, IPv6, deep-space and underwater optical communications; RF and microwave engineering; antenna systems; artificial electromagnetic surfaces; millimetre-wave and THz circuits and components; radar signal processing; 5G networks. Qualifying degree: Master's degree in Engineering/Technology in ECE.
6	Information Technology	Any specialization in CSE/IT or interdisciplinary research and applications involving Information Technology. Candidates with a 1-year PG degree (M.S./M.Tech.) will not be considered.
7	Mathematical and Computational Sciences (MACS)	Computational Sciences: Artificial Intelligence, Bioinformatics, Blockchain Technology, Cloud Computing, Computer Network Security, Computer Vision, Cryptography, Cyber Security, Deep Learning, Fuzzy Set Theory, Generative AI, Graph Algorithms, Image Processing, Internet of Things, Machine Learning, Medical Imaging, Quantum Computing, Scientific Computing, Wireless Sensor Networks. Mathematics: Differential Equations, Fluid Dynamics, Functional Analysis, Graph Theory, Number Theory, Numerical Analysis, Numerical Linear Algebra, Operator Algebras, Real Analysis, Reliability Theory, Statistical Inference, Topology.
8	Mechanical Engineering	Renewable Energy, Alternative Fuels, Biofuels and Biorefining, IC Engines & Combustion, Refrigeration and Air-conditioning, Heat Transfer and Bio Heat Transfer, Fluid Dynamics and Micro/Bio-fluidics, Fluid-Structure Interaction, Propulsion, Turbomachinery, Fracture Mechanics and Fatigue, FEM/CFD, Stress Analysis, Tribology, Machine Dynamics and Vibration, Advanced Materials, Biomaterials and Biomechanics, Advanced Manufacturing, Mechatronics, MEMS, Nanotechnology, Robotics and Control, Product Design, Systems and Bio-systems Engineering, Structural Acoustics, Polymer Nano-composites, Precision Manufacturing, Condition Monitoring, 3D Printing, Vehicle Dynamics, Surface Engineering, Design of Fuel Cells and Electrolysers, Space Technology, Functional Polymers. Transdisciplinary areas: medical / paramedical / allied health sciences (orthopaedics, sports injury, neurology in rehabilitation, cardio-respiratory therapy, paediatrics, women's health, hand therapy, occupational therapy, orthotics, maxillofacial and prosthetics, etc.), drug delivery systems, agricultural sciences and engineering, marine science, development of AI/ML models, operations research, applied mathematics. Qualifying examination: Master's degree in engineering, or MBBS with MD/MS, or M.Sc. in any science field with UGC-NET / CSIR-NET / GATE.

#	Department	Specializations
9	Metallurgical & Materials Engineering	Physical Metallurgy, Mechanical Metallurgy, Extractive Metallurgy, Beneficiation of Minerals, Welding, Surface Engineering, Corrosion, Polymer Nanocomposites, Ceramic and Polymeric Nanofabrics, Energy Conversion and Storage, Thin Films & Coatings, Advanced Materials, Heat Transfer Studies. Eligible degrees — M.Sc.: Materials Science / Dental Materials / Nanoscience / Physics / Chemistry / Electrochemistry / Applied Chemistry / Industrial Chemistry / Polymer Chemistry / Biochemistry / Microbiology. B.Tech./M.E./M.Tech.: Metallurgical Engineering / Metallurgical and Materials Engineering / Materials Engineering / Mechanical Engineering / Chemical Engineering / Industrial and Production Engineering / Nanotechnology / Materials Process Technology.
10	Mining Engineering	Rock Mechanics & Ground Control Engineering, Drilling & Blasting, Mine Planning, Environmental Management, Slope Stability, Design and Stability of Civil Excavations, Waste Management, Mineral Beneficiation, Computer Applications in Mining, Mine Health & Safety Engineering, Safety Data Analytics, Drone Applications in Mining, Sensor / IoT-based Data Analysis.
11	Water Resources and Ocean Engineering	Water Resources Engineering & Management; Surface Water Hydrology; Groundwater Hydrology; Hydrological Modelling; AI in Water Resources; Urban Hydrology; Urban Water Management; Sediment Transport; Ocean and Coastal Engineering; Offshore Renewable Energy; Computational Hydrodynamics; Structural Dynamics; Offshore Engineering; Marine Structures; Isotropic Elasticity in Marine Structure Analysis; FEA of Marine and Hydraulic Structures; Soft Computing in Civil Engineering; Geoinformatics in Civil Engineering — Hyperspectral and Microwave Remote Sensing, Disaster Management using Advanced Surveying, GIS and UAV. Eligible degrees — B.E./B.Tech.: Civil, Agricultural, Geoinformatics/Geomatics, Water Resources and Hydraulics, Ocean/Marine Engineering, Naval Architecture, AI/ML Engineering. M.Tech./M.E.: Remote Sensing and GIS, Geoinformatics, Geodesy, Infrastructure Engineering and Management, Environmental Engineering, Water Resources and Hydraulics, Agricultural Engineering, Soil & Water Conservation, Marine/Offshore/Ocean Structures, Ocean Engineering, AI/ML Engineering. Note: For the Geoinformatics field only, B.E./B.Tech./M.Tech./M.E. in Computer/Information Science & Engineering, Information Technology and Electronics & Communication Engineering are also eligible.
12	Physics	Statistical Physics, Active Matter, Cosmology and High Energy Physics, Nonlinear Dynamics, Nanomaterials, Supercapacitors and Batteries, Quantum Field Theory and Gravity, Optoelectronics, Condensed Matter (theory and experiment), Multiferroics, Organic and Inorganic Spintronics, Quantum Materials.
13	Chemistry	Inorganic, Materials, Organic, Physical and Computational Chemistry. Eligible: M.Sc./M.Tech. in a relevant field including M.Pharm; B.Tech./B.E. in relevant disciplines.

#	Department	Specializations
14	School of Management (Humanities, Social Sciences & Management)	Strategic Management, International Business, Technology Management, Organizational Behaviour, Human Resource Management, Marketing, Corporate Finance, Capital Markets, Behavioural Finance, Development Economics, International Economics, Agricultural Economics, Rural Development, Applied Econometrics, Operations Management, Information Systems and Business Analytics, E-Governance, English and Comparative Literature, Indian Knowledge System, Psychology, Linguistics and related areas. M.Phil. degree will not be considered.

3.5 Qualifying examinations for Ph.D.

Discipline	Qualifying examination
Engineering / Technology	Master's degree in the relevant field.
Direct admission	B.Tech./B.E./B.Arch./B.Plan./B.Des./B.S. (four-year) in a relevant discipline within five years of obtaining the undergraduate degree.
Physics	Master's degree in the relevant field.
Chemistry	M.Sc./M.Tech. in a relevant field including M.Pharma; B.Tech./B.E. in relevant disciplines.
Mathematical & Computational Sciences	M.S./M.Sc. in Mathematics / Statistics / Physics / CS / IT / Electronics / Information Science / AI / ML / Data Science, or M.Tech./M.E. in CS / IT / Electronics / Information Science / AI / ML / Data Science, or MCA.
Humanities, Social Sciences & Management	Master's degree in the relevant field; CA along with an undergraduate degree.

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SECTION 4

Selection Procedure

4.1 M.Tech. (Research)

Component	Weightage
Academic performance in the qualifying examination	10 %
GATE score	70 %
Written test	10 %
Technical presentation / interview	10 %
Total	100 %

Selection is based on academic performance in the qualifying examination (10%), GATE score (70%), written test (10 %) and technical presentation/interview (10%). Candidates with a valid GATE score are entitled to the Institute scholarship.

4.2 Ph.D.

Component	Weightage
Written test	40 %
Technical interview	60 %
Technical presentation — research aptitude	10 %
Technical interview — subject knowledge	40 %
Research publications	5 %
Experience — research / teaching / industry	5 %
Total	100 %

The written test carries 40% and the technical interview 60 %. Within the interview: technical presentation to assess research aptitude (10%), technical interview on subject knowledge (40%), research publications (5%) and experience — research/teaching/industry (5%). Both are conducted by the DRPC of the department in physical mode at NITK.

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SECTION 5

How to Apply

1 · Register & apply online	2 · Application fee	3 · Post the hard copy
The Information Bulletin, seat matrix and online application portal are on www.nitk.ac.in . Register on the portal, complete the online application and pay the fee through the IRIS portal on or before 01 Nov 2026 (Sunday) .	₹ 500 OC / OBC / EWS ₹ 150 SC / ST / PwD One application and fee per programme / department applied for.	Send the completed form with payment receipt and copies of all documents to The Assistant Registrar (Academic), NITK Surathkal, Srinivasnagar, Mangalore – 575 025, Karnataka to reach on or before 05 Nov 2026 (Thursday) .

Write "**Application for M.Tech.(R) or Ph.D. Admission in the Department of ...**" clearly on top of the envelope. Candidates sponsored by educational institutions or industries must have their applications forwarded through proper channel.

- Applications that are incomplete, defective or received late are liable to be rejected summarily; no correspondence will be entertained on such applications.
- A candidate applying to more than one course (M.Tech.(R)) or department (Ph.D.) must submit a **separate application** with a separate fee receipt for each programme.
- Candidates called for the written test and/or interview appear at NITK Surathkal at their own cost; the test and interview are held in **offline mode**.

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SECTION 6

Calendar of Events

M.Tech.(R) & Ph.D. — Winter Session 2026–27

Date	Day / time	Event
05 Oct 2026	Monday	Opening of the application portal
01 Nov 2026	Sunday · 23:59 hrs	Last date for online submission of applications
05 Nov 2026	Thursday · 17:00 hrs	Last date for hard copy of applications to reach NITK
13 Nov 2026	Friday	Last date for dispatch of call letters (by e-mail only) to shortlisted candidates and announcement on the website by departments
30 Nov – 02 Dec 2026	Monday – Wednesday	Selection test and/or interview (offline, at NITK)
04 Dec 2026	Friday	Last date for departments to send recommended merit lists to the Dean (Academic)
11 Dec 2026	Friday	Publication of provisional selection / merit list on the website by the Dean (Academic)
14 – 17 Dec 2026	Monday – Thursday	Online fee payment, physical reporting for admission and document verification for selected candidates
To be announced		Admission offer letters to wait-listed candidates · physical reporting, document verification and admission for wait-listed candidates · class start date

All dates are as per the Institute calendar and may be revised; the website www.nitk.ac.in carries the authoritative schedule.

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SECTION 7

Intake for M.Tech.(R) and Ph.D. Programmes

Winter Session 2026–27

Programme	OC	EWS	OBC-NCL	SC	ST	Total
M.Tech. (Research)	15	4	10	6	3	38
Ph.D. — full time under Institute scholarship	25	6	16	9	5	61

OC Open Category · **EWS** Economically Weaker Section · **OBC-NCL** Other Backward Classes (non-creamy layer)
SC Scheduled Caste · **ST** Scheduled Tribe · **PwD** Persons with Disability

- Reservation for SC / ST / PwD is as per Central Government rules; reservation for OBC / EWS is as per Gol / MoE norms.
- The above intake excludes QIP seats allotted by AICTE / MoE and seats earmarked for the Indian Navy.

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SECTION 8

Documents to be Produced

8.1 At counselling / written test / interview

- Original marks cards of all semesters/years of Master's / Bachelor's degree
- Date of birth certificate in original (SSLC / X Std.)
- Degree certificate, or course completion certificate from the college if results are awaited
- Caste certificate (original) if belonging to SC / ST
- EWS certificate in the prescribed format issued by the competent authority on or after **01-04-2026**
- OBC certificate in the prescribed format issued by the competent authority on or after **01-04-2026**
- GATE / NET score card (if applicable)
- Sponsorship certificate, if applicable, in the NITK format
- No-objection certificate, if applicable, in the NITK format
- Pass certificate for A.M.I.E. candidates (M.Tech.)
- Persons with Disabilities (PwD) certificate, if applicable
- Relieving certificate from the previous employer, if applicable

8.2 At the time of admission

- Admission order issued by the competent authority
- Original marks cards of the qualifying examination (first to final year) with **two sets** of duplicate copies — name spelling and order must match across marks cards, degree certificate and migration certificate
- Course completion certificate from the college (if results are awaited)
- Original GATE / NET score card (if applicable)
- Degree certificate or provisional pass certificate issued by the university
- Sponsorship certificate (if sponsored) in the NITK format
- No-objection certificate, if applicable, in the NITK format
- Medical certificate (general fitness)
- Relieving certificate, in the case of sponsored candidates
- Date of birth certificate in original (SSLC / X Std.)
- Caste certificate in the case of SC / ST
- OBC certificate (if applicable), issued on or after **01-04-2026**
- EWS certificate, issued on or after **01-04-2026**
- Transfer certificate · Conduct certificate
- Aadhaar card copy
- PwD certificate, if applicable

- Migration certificate (for students from outside Karnataka)
- Relieving certificate from the previous employer, if applicable

Formats. The prescribed formats for the OBC and EWS certificates can be downloaded from www.nitk.ac.in. Sponsored candidates and external registrants must produce the sponsorship / no-objection certificate in the Institute's format; internal registrants produce a no-objection certificate from the Director, NITK.

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SECTION 9

Financial Assistance

₹ 12,400 / month

M.Tech.(R) — GATE scholarship, maximum 24 months

₹ 37,000 → ₹ 42,000 / month

Ph.D. fellowship — years 1–2, then years 3–4

9.1 M.Tech. (Research) — GATE scholarship

A candidate becomes eligible for the GATE scholarship in the M.Tech.(R) programme on possessing a valid GATE score. Only Indian nationals are eligible. The scholarship of ₹ 12,400 per month is granted on acceptance of the following conditions:

- Every post-graduate student undertakes 8–10 hours per week of teaching and research-related work assigned by the Institute — tutorials, laboratory classes, development and maintenance of laboratories, assistance in faculty R&D, and maintenance and operation of computers and central facilities.
- The student must at every stage have passed all registered courses with SGPA / CGPA not less than 6.0 for the stipend to continue. An FF / FA / N grade in any subject stops the scholarship until the subject is cleared.
- The student gives an undertaking not to leave the course midway or appear in competitive examinations unrelated to engineering or technology.
- No other emoluments (salary, stipend) may be received from any other source. In no case is the scholarship allowed beyond 24 months.
- Scholarship meant for SC/ST candidates is not granted to OC / OBC students.
- Scholarship holders are governed by the Institute leave rules; absence from classes/programmes without sanctioned leave forfeits the scholarship.

9.2 Ph.D. programme

Full-time research scholars of types A.1, A.2 and A.3 who qualify the national-level written test and technical interview (conducted by the DRPC in physical mode at NITK) are eligible for a fellowship of **₹ 37,000 per month for the first two years** and **₹ 42,000 per month for the remaining two years** on satisfactory progress. Revision of the Ph.D. scholarship will be considered pursuant to MHRD / MoE directives. Scholars assist in teaching and laboratory work assigned by the department and are eligible for 30 days' vacation leave per year.

Category	Financial position
B.1 QIP	Sponsored teachers who are permanent faculty of AICTE-recognised degree-level colleges, admitted under the QIP scheme.
B.2 Sponsored	May receive complete financial support — stipend, contingency grants and project expenses — from the sponsoring organization.

Category	Financial position
B.3 Internal	Institute faculty / staff / project staff work towards the Ph.D. while fulfilling normal duties.
B.4 Non-sponsored	Not entitled to Institute scholarship; admissions restricted to vacant type-A seats against the sanctioned intake.
B.5 External	Carry out research in the parent organization after prerequisites at the Institute; not entitled to Institute scholarship. A sponsorship and clearance certificate from the employer accompanies the application.

9.3 Sponsored candidates

- Minimum two **continuous** years of full-time work experience in the sponsoring organization.
- For contract faculty sponsored from other NITs for the Ph.D. programme, the two-year requirement is waived.
- A sponsorship-cum-clearance certificate in the NITK format must accompany the application.

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SECTION 10

Fees and Deposits

Academic year 2026-27 · all amounts in INR

10.1 Institute Fee structure — M.Tech. (Research) and Ph.D.

Fee head	M.Tech. (Research)		Ph.D. programme	
	Sem I	Sem II	Sem I	Sem II
Tuition fee	35,000	35,000	7,500	7,500
Other fee — Part A				
Institute admission fee	1,410	–	2,820	–
Development fee	2,820	2,820	2,820	2,820
Security deposit (<i>refundable</i>)	7,040	–	7,040	–
NITK Alma Mater endowment contribution	2,820	–	2,820	–
Convocation fee	3,480	–	3,480	–
Other fee — Part B				
Library resource fee	4,230	4,230	4,230	4,230
Thesis processing fee	–	–	6,000	–
Thesis evaluation fees	–	–	19,000	–
Career development fee	2,900	–	2,110	–
Health care facility	1,740	–	1,740	–
Student activities fee	6,950	–	6,950	–
Campus amenities	1,740	–	1,740	–
Group insurance coverage of students*	1,000*	–	1,000*	–
Computing resource fee	4,630	–	7,040	–
Day scholar — total	75,760	42,050	76,290	14,550
Hostel rent (shared, incl. water / electricity)	9,260	9,260	9,260	9,260
Hosteller — total (shared accommodation)	85,020	51,310	85,550	23,810

SC / ST / PwD students are exempted from tuition fee (the exemption does not apply to external and internal registrants).

10.2 Hostel Fee Structure - Provisional mess fees

For Hostellers. Mess fee structure is tentative and subject to revision.

Item	Amount (₹)
Admission fee	1,000.00
Establishment charges — per semester	8,100.00
Maintenance	3,690.00
Student extra-curricular	520.00
Mess advance — every semester	22,000.00
Total	35,310.00

10.3 Ph.D. internal registrants

Regular faculty / staff of the Institute only.

Fee head	Amount (₹)
Tuition fee	5,000 per year
Institute development contribution	6,000 (first year)
Alumni fee	1,000 (one-time, at admission)
Convocation fee	2,000 (1,000 in each of Sem I & II)
Thesis evaluation fees	5,000 (one-time, at admission)

10.4 Refund of fees

Situation	Refund
Withdrawal before closing date	A student who withdraws admission before the closing date of admission for the respective round is eligible for refund of all fees and deposits after deduction of a processing fee of ₹ 1,000.
Withdrawal after closing date	Candidates who withdraw after the closing date of admission for the respective round are refunded only the security deposit paid to the Institute; no other fee is refundable.
Leaving after joining	Candidates leaving the course after joining are not eligible for refund of any fee.

Any disputes arising out of admissions shall be subject to Mangalore court jurisdiction.

Ragging. If any incident of ragging comes to the notice of the authority, the accused student will be given the liberty to explain; if the explanation is not found satisfactory, the authority will expel him / her from the Institution.

The Campus

Surathkal, on the Arabian Sea coast · NH-66, Mangaluru



About the Institute

National Institute of Technology Karnataka (NITK), Surathkal was established in 1960 as the Karnataka Regional Engineering College. It became a National Institute of Technology in 2002 and is an Institute of National Importance under the Ministry of Education, Government of India.

Located on a green campus beside the Arabian Sea on NH-66, about 20 km north of Mangaluru, NITK offers B.Tech., M.Tech., M.Tech. (Research), M.Sc., MCA, MBA and Ph.D. programmes. Research is supported by well-equipped laboratories, central research facilities and strong industry and international collaborations.

For Admission Enquiries

Office of the Dean (Academic Programs)

National Institute of Technology Karnataka, Surathkal
Srinivasnagar P.O., Mangaluru – 575 025, Karnataka, India

Phone: +91-824-2473003/3020 · Fax: +91-824-2474033

Email: dean.ap@nitk.edu.in · Web: www.nitk.ac.in

How to reach

Surathkal Railway Station – approx. 3 km

Mangaluru International Airport – approx. 20 km

Mangaluru Central Railway Station – approx. 20 km

The campus is on NH-66, between Mangaluru and Udupi.



Scan to visit www.nitk.ac.in



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· www.nitk.ac.in