



IRIS

IT Call Letter List

M Tech. (Research), 2026 - 27

The following applicants have been selected for written exam and/or interview for the department for the department of Information Technology for M Tech. (Research) Programme. The applicants are requested to go through additional information provided in their Call letters.

#	Name	Reference Number	Branch/Specialisation
1	Ajit Ashok Singh	MTR2026IT0001	Information Technology
2	DEEKSHA C BHAT	MTR2026IT0002	Information Technology
3	Shubham Mallya	MTR2026IT0003	Information Technology
4	Srijith Santhosh	MTR2026IT0004	Information Technology
5	Sujal M H	MTR2026IT0006	Information Technology
6	Harshita Tripathi	MTR2026IT0009	Information Technology
7	Mani Raushan Kumar	MTR2026IT0011	Information Technology
8	Mukul Rajput	MTR2026IT0014	Information Technology
9	ADITYA MAURYA	MTR2026IT0015	Information Technology
10	Shreya Singh	MTR2026IT0016	Information Technology
11	Navautsav G	MTR2026IT0017	Information Technology
12	Aaditya Puranmalka	MTR2026IT0018	Information Technology
13	garima	MTR2026IT0021	Information Technology
14	HARSHITHA U Y	MTR2026IT0022	Information Technology



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल

P.O SRINIVASNAGAR, MANGALORE - 575025

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IT Call Letter List

M Tech. (Research), 2026 - 27

#	Name	Reference Number	Branch/Specialisation
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Head Of Department  
Information Technology

M.A. 5/12/26  
विभागाध्यक्ष/HOD  
सूचना प्रौद्योगिकी विभाग/Dept. of IT  
राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक  
National Institute of Technology Karnataka  
सुरत्कल, मंगलूरु - ५७५ ०२५/Surathkal, Mangaluru - 575 025  
कर्नाटक, भारत/Karnataka, India

Dean Academics

विभाग / Department  
सूचना प्रौद्योगिकी /  
Information  
Technology

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल, मंगलूरु-५७५०२५

(राष्ट्रीय महत्व का संस्थान, एनआईटीएसईआर अधिनियम के तहत स्थापित, भारत सरकार)

**National Institute of Technology Karnataka, Surathkal, Mangaluru – 575025**

(An Institute of National Importance, Established under NITSER Act, Government of India)

दूरभाष / Phone: +91-824-2473450 (O), ई-मेल / E-mail: head.it@nitk.edu.in



### Admission to M.Tech. (Research) Programme 2026-27

#### General Instructions to Applicants of M.Tech. (R) Admission Written Entrance Test and Interview

Sl. No	Component	Description
1	Mode of Written Test	Offline
2	Number of Questions	Forty Questions (40)
3	Type of Questions	Multiple Choice Questions
4	Maximum Marks for Each Question	One Mark (01)
5	Evaluation Type	Negative Marking
	a) For Each Correct Answer	One Mark (01)
	b) For Each Wrong Answer	Deduction of 0.25 marks
6	Date and Time of Written Test	<b>21<sup>st</sup> May 2026 Thursday 11 AM to 12 Noon</b>
7	Maximum Duration of the Written Test	45 Minutes
8	Syllabus for M.Tech. (Research) Entrance Written test	As specified by the department. Details provided in the next page.
9	Written Test Venue	Under Graduate Lab 4, 5 <sup>th</sup> Floor Information Technology Department National Institute of Technology Karnataka Surathkal-575025
10	Date and Time of M.Tech. (R) Interview	➤ <b>21<sup>st</sup> May 2026 Thursday at 2:30 PM Onwards</b> ➤ <b>22<sup>nd</sup> May 2026 Friday at 9.30 AM Onwards</b>
11	Venue for M.Tech. (R) Interview	Seminar Hall, 5 <sup>th</sup> Floor Information Technology Department National Institute of Technology Karnataka Surathkal-575025
12	Maximum presentation Duration of each Applicant is	• Maximum 10 Minutes for Research Presentation followed by Interview • Prepare maximum 5 (Five) slides for Presentation.
13	Mobile Phones/Smart Phones/Programmable Calculators	Not allowed in the examination hall as well as Interview Hall.

M.R. 6/5/24  
विभागाध्यक्ष, सूचना प्रौद्योगिकी विभाग / HoD-IT

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राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक

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कर्नाटक, भारत/Karnataka, India

विभाग / Department  
सूचना प्रौद्योगिकी /  
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राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल, मंगलूरु-५७५०२५

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## Admission to M.Tech. (Research) Programme 2026-27

### General Instructions to Applicants of M.Tech. (R) Admission Written Entrance Test and Interview

### Syllabus

- Programming Logic and Data structures:** Programming in C, Recursion, Arrays, Stacks, Queries, Linked Lists, Trees, binary search trees, binary heaps, graphs
- Design Analysis and Algorithms:** Searching, sorting, hashing, asymptotic worst-case time and space complexity, Algorithm design techniques, greedy dynamic program and divide-and-conquer, graph traversals, minimum spanning trees, shortest paths.
- Theory of Computation:** Regular expressions and finite automata, context-free grammars and push-down automata, Regular and context-free languages, pumping lemma, Turing machines and undecidability.
- Mathematics Foundations of Computer Science:** Discrete Mathematics, Probability, Linear Algebra.
- Computer Networks:** Concept of layering: OSI and TCP/IP Protocol Stacks; Basics of packet, circuit and virtual circuit-switching; Data link layer: framing, error detection, Medium Access Control; Ethernet bridging; Routing protocols: shortest path, flooding, distance vector and link state routing; Fragmentation and IP addressing, IPv4, CIDR notation, Basics of IP support protocols (ARP, DHCP, ICMP), Network Address Translation (NAT); Transport layer: flow control and congestion control, UDP, TCP, sockets; Application layer protocols: DNS, SMTP, HTTP, FTP, Email.
- Database Systems:** ER-model. Relational model: relational algebra, tuple calculus, SQL. Integrity constraints, normal forms. File organization, indexing (e.g., B and B+ trees). Transactions and concurrency control.
- Operating Systems:** System calls, processes, threads, inter-process communication, concurrency and synchronization. Deadlock. CPU and I/O scheduling. Memory management and virtual memory. File systems.
- Artificial intelligence and Machine Learning:** Search: informed, uninformed, adversarial; logic, propositional, predicate; reasoning under uncertainty topics - conditional independence representation, exact inference through variable elimination, and approximate inference through sampling. (i) Supervised Learning: regression and classification problems, simple linear regression, multiple linear regression, ridge regression, logistic regression, k-nearest neighbour, naive Bayes classifier, linear discriminant analysis, support vector machine, decision trees, bias-variance trade-off, cross-validation methods such as leave-one-out (LOO) cross-validation, k-folds cross-validation, multi-layer perceptron, feed-forward neural network; (ii) Unsupervised Learning: clustering algorithms, k-means/k-medoid, hierarchical clustering, top-down, bottom-up: single-linkage, multiple-linkage, dimensionality reduction, principal component analysis.

M. R. 6/5/26  
विभागाध्यक्ष, सूचना प्रौद्योगिकी विभाग / HoD-IT

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कर्नाटक, भारत/Karnataka, India



### Admission to M.Tech. (Research) Programme 2026-27

#### General Instructions to Applicants of M.Tech. (R) Admission Written Entrance Test and Interview

1. Produce the following Documents in Original as well as Xerox copies (one set) at the time of the interview:
  - i) Duly Signed Sponsorship Certificate/No Objection Certificate (NOC) as per NITK application format if the candidate is applied under *Full-time/External Registrants - sponsored from Industry or other organizations including Educational Institutions* category.
  - ii) B.E/B. Tech. Degree Certificates and Marks Cards (One Set Each).
  - iii) GATE Score Card.
  - iv) Experience Certificates (if any).
2. Bring reprints of published research papers (Journals/Conferences/Workshops (if any)).
3. Candidate should occupy the allotted seat at least 10 minutes before the commencement of entrance examination.
4. Candidates should bring their own pen, pencil, calculator, scale, eraser etc.
5. Candidates are not allowed to leave the examination hall till the end of the examination.
6. Calculators are not allowed to exchange.
7. It is the candidate's responsibility to verify the correctness of the question paper before the commencement of the entrance examination.
8. No extra/alternate entrance examination will be conducted under any circumstances. No Email/SMS/What's up communication is considered.
9. Order of the candidate list for the interview will be announced half an hour before the commencement of the interview (**around the 02:00 PM on 21<sup>st</sup> May 2026 Thursday**).
10. Candidates should be available on the interview platform at least 30 minutes before the commencement of the interview.
11. Introduce yourself to the interview panel with the following information when you enter the interview hall.
  - Name of the Applicant (candidate Name)
  - Name of the B.Tech./B.E. Degree passed with a year of completion.
  - Percentage of the B. Tech/BE Degree.
  - Year of GATE examination passed.
  - Marks scored in the GATE.
  - Publication Details (if any).

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