



IT Call Letter List

PhD, 2026 - 27

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

#	Name	Reference Number	Branch/Specialisation
1	SOUREN GHOSH	PH2026IT0002	Information Technology
2	PRAGATHI PRAKASH HEGDE	PH2026IT0003	Information Technology
3	Prakruthi Jain YS	PH2026IT0005	Information Technology
4	DEEPA HIREGOUDA	PH2026IT0006	Information Technology
5	Bheemisetty Venkata Sriram Pavan Kumar	PH2026IT0007	Information Technology
6	DEEPTHI L	PH2026IT0009	Information Technology
7	DEEKSHA C BHAT	PH2026IT0014	Information Technology
8	PRIYANKA VINAYAK TORASKAR	PH2026IT0015	Information Technology
9	Srinath V	PH2026IT0016	Information Technology
10	Sudharsanam	PH2026IT0021	Information Technology
11	Anupama H C	PH2026IT0022	Information Technology
12	VATUPALLI JAWAHAR BABU	PH2026IT0024	Information Technology
13	THRIPTHIKA M P	PH2026IT0025	Information Technology



NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

राष्ट्रीय प्रौद्योगिकी संस्थान कर्नाटक, सुरत्कल

P.O SRINIVASNAGAR, MANGALORE - 575025

IRIS

IT Call Letter List

PhD, 2026 - 27

#	Name	Reference Number	Branch/Specialisation
14	sangeetha harikantra	PH2026IT0026	Information Technology
15	KUNCHA PRASHANTH	PH2026IT0027	Information Technology
16	ABINAYA A	PH2026IT0028	Information Technology

Head Of Department
Information Technology

M.D.
11/5/26

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



Admission to Ph.D. Programme 2026-27		
General Instructions to Applicants of Ph.D. Admission Written 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	1st June 2026 (Monday) 11:00 AM – 12:00 Noon
7	Maximum Duration of the Written Test	45 Minutes
8	Syllabus for Ph.D. Entrance Written test	As specified by the department. Details provided in the next page.
9	Written Test Venue	Under Graduate Lab 4, 5 th Floor Information Technology Department NITK Surathkal-575025
10	Date and Time of Document Verification with Venue	1st June 2026 (Monday) 9:30 AM Onwards Venue: Project Lab, 5 th Floor Department of Information Technology NITK Surathkal -575025
11	Date and Time of Ph.D. Interview	➤ 1st June 2026 (Monday) 02:30 PM Onwards ➤ 2nd June 2026 (Tuesday) 09:30 AM Onwards
12	Venue for Ph.D. Interview	Seminar Hall, 5 th Floor Department of Information Technology NITK Surathkal -575025
13	Maximum presentation Duration of each Applicant is	<ul style="list-style-type: none">• Maximum 10 Minutes for Research Presentation followed by Interview• Prepare maximum 5 (Five) slides for Presentation.
14	Mobile Phones / Smart Phones / Programmable Calculators	Not allowed in the Ph.D. entrance examination hall as well as Interview Hall.

M.O. 11/5/26
विभागाध्यक्ष, सूचना प्रौद्योगिकी विभाग / HoD-IT

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कर्नाटक, भारत/Karnataka, India



Syllabus

- 1. Programming Logic and Data structures:** Programming in C, Recursion, Arrays, Stacks, Queries, Linked Lists, Trees, binary search trees, binary heaps, graphs
- 2. 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.
- 3. 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.
- 4. Mathematics Foundations of Computer Science:** Discrete Mathematics, Probability, Linear Algebra.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.P. 11/1/24
विभागाध्यक्ष, सूचना प्रौद्योगिकी विभाग / HoD-IT

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कर्नाटक, भारत/Karnataka, India



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. and M.E. / M. Tech. Degree Certificates and Marks Cards (One Set Each).
 - iii) GATE/NET Score Card (if any).
 - 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 Ph.D. 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 Ph.D. entrance examination.
8. No extra/alternate Ph.D. entrance examination will be conducted under any circumstances. No Email/SMS/Whats up communication is considered.
9. Selected candidate list for the interview will be announced half an hour before the commencement of the interview (around the **02:00 PM on 1st June 2026 Monday**).
10. Candidates should be available on the Ph.D. 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.
 - Name of the M.Tech./ME Degree passed with a year of completion.
 - Percentage of the M. Tech/ME degree (aggregate of all four semesters).
 - Year of GATE/NET examination passed (if any).
 - Marks scored in the GATE/NET examination (if any).
 - Teaching/Research Experience (if any).
 - Publication Details (if any).

M.R. 11/5/24
विभागाध्यक्ष, सूचना प्रौद्योगिकी विभाग / HoD-IT