Department of Information Technology

National Institute of Technology Karnataka
Surathkal, Mangalore 575025 India

2026 - 2027



Profile of the Department

Founded in 2000 as the youngest of NITK Surathkal's 14 departments, the Department of Information Technology has evolved into a premier hub for education, research, and innovation. Accredited by the National Board of Accreditation (NBA) consecutively since 2008, most recently for six years through June 2028, the department offers B.Tech. programmes in Information Technology and Artificial Intelligence, alongside M.Tech. (IT), M.Tech. (by Research), and Ph.D. degrees.

Driven by dedicated faculty, state-of-the-art laboratories, and active industry-academia MoUs, the department maintains a strong track record of high-impact publications, patents, and funded research projects. Its graduates consistently achieve top-tier industry placements and secure admissions to leading global institutions, including MIT, Carnegie Mellon, Yale, Cornell, Columbia, Duke, Purdue, Georgia Tech, and premier IITs and IIMs.

Vision

- ***To achieve excellence in education, so as to enable students to establish themselves as world-class professionals & empower them with the proficiency & knowledge to excel in the dynamic field of IT.***

Mission

- ***To create and disseminate knowledge through research, teaching & learning, and to enhance society in meaningful & sustainable ways.***
- ***To serve our students by inculcating in them problem solving, leadership & teamwork skills, and the value of commitment to quality, ethical behavior & respect for others.***

Head of the Department
Anand Kumar M.

Year of Establishment
2000

Student Information

Programme	*Number of Students*
B.Tech. (AI)	182
B.Tech. (IT)	340
M.Tech. (IT)	69 (full-time)
M.Tech. (By Research)	10 completed 7 ongoing
Ph.D.	53 completed 42 in progress. (Full-time: 23; Part-time: 19)

Faculty Members

Professors (HAG Scale)
Ananthanarayana V. S.
G. Ram Mohana Reddy

Professors
Jaidhar C. D.

Associate Professors
Sowmya Kamath S.
Nagamma Patil
Biju R. Mohan
Geetha V.
Anand Kumar M.
Purushothama B. R.

Assistant Professors (Grade I)
Shrutilipi Bhattacharjee
Bhawana Rudra
Dinesh Naik
Kiran M.
Janani T.

Assistant Professors (Grade II)
Vamshi A.
Ambairam Muthu Sivakrishna
Moirangthem Rabindra Singh

Adjunct Faculty
Shivakumar Nandipati

Adhoc Faculty
Annapurna
Deepa C
Deekshitha
Prathiksha
Shilpa
Suresan Pareth
Tushara G A

Degrees and Programmes

- B.Tech. (Artificial Intelligence)
- B.Tech. (Information Technology)
- M.Tech. (Information Technology) and M.Tech. (by Research)
- Ph.D. (Information Technology)

Current Research Areas

The Department is actively involved in advanced research at the UG, PG and doctorate (Ph.D.) levels, in fundamental and cutting-edge technologies, like

1. *Data Science, Analytics, and Artificial Intelligence:* Big Data/Cognitive Analytics, Database Systems, Data Mining, Geoscience and Spatial Data Mining, Machine Learning, Natural Language Processing & Understanding, Network Analysis
2. *Computing Systems and Infrastructure:* High Performance Computing, Distributed Computing, Cloud Computing, Green Computing and Green Datacenters, Pervasive Computing, Quantum Computing, Vehicular Adhoc Networks
3. *Systems Engineering:* Software Engineering and Architecture, Requirements Engg, Service-oriented Computing, Blockchain Technology
4. *Networking and Security:* Computer Networks, Security Issues in Information, Networks and VoIP, 5G and 6G applications, IoT & Smart Sensing, Wireless Sensor Networks.
5. *Human-Centered Computing:* Affective Computing, Bio-inspired Computing, Bioinformatics, Computer Vision, Semantic Web Technologies.

Research Publications and Books

Peer-reviewed International Journals – 276

Refereed International Conferences – 712

Refereed National Conferences – 6

Books and book chapters - 84

Recent Events

- South Zone Conference on Strategic Integration of Artificial Intelligence in Higher Education (Sep 18, 2026)
- AICTE-QIP-PG Certificate Programme on "Deep Learning" (Feb-Jul 2026)
- Expert Lecture on "Intelligent Autonomous Systems for Real-world Applications", Prof. Vijayan Sugumaran, Distinguished Professor and Co-director, Center for Big Data Analytics, Oakland University, Michigan, USA (July 29, 2026)



RESEARCH, CONSULTANCY & DEVELOPMENT PROJECTS *(RECENT)*

Research Project	*Sponsoring Agency*	*Funding*	*Duration*	*Principal Investigators*
Creating Awareness in the Field of AI through Hands-on Activities for secondary school children in select districts of Karnataka, Kerala and TN	DST NCSTC	₹ 37.12 Lakhs	2024-27	Anand Kumar M.
Bharath 5G Usecases Lab	DoT, Govt. of India	₹ 71 Lakhs	2023-28	Geetha V, Sowmya Kamath S. Kiran M. (PI: Prof. Chaturvedi, ECE)
Quantum Cryptanalysis using Grovers Quantum Search Algorithm	DRDO	₹ 51 Lakhs	2023-25	Bhawana Rudra
A Deep Explainable Framework for Semantically Similar Document Retrieval & Summarization of Legal text	SERB Core Research Grant	₹ 42 Lakhs	2023-26	Anand Kumar M.
AI-based modeling and assessment of Saltwater intrusion phenomenon in west- flowing rivers of Coastal Karnataka	DST SERB POWER Grant	₹ 28.87 Lakhs	2022-25	Shrutilipi Bhattacharjee & Sowmya Kamath S.

Consultancy/Other Projects	*Agency*	*Budget*	*Faculty Member*
Development of GUI for Log Analysis	MIPL	₹ 4.38 Lakhs	Ananthanarayana V.S. Sowmya Kamath S. Geetha V.
IMU Algorithm Development	MIPL	₹ 7.49 Lakhs	Geetha V. Sowmya Kamath S. Ananthanarayana V.S.
Business Document analysis	MIS India	₹ 28.57 Lakhs	Sowmya Kamath S.
Structured content extraction from preformatted documents & study materials	Edumeister USA	₹ 1.18 Lakhs	Anand Kumar M.

Industry-Institute Interaction

The Department has initiated several linkages, some recently signed MoUs are listed below.

- Oakland University, USA (2024-2029)
- Moovita Inc, Singapore (2024-2027)
- 5C Network, Bangalore (2024-2027)
- Tata Consultancy Services Ltd. (2022-2025)
- QUNU Labs Pvt. Ltd. Bangalore (2022-2025)

DETAILED FACULTY INFORMATION

Professors (HAG Scale)



Ananthanarayana V. S., *Ph.D. (IISc Bangalore), Post-doc (Canada)*

Email - anvs@nitk.edu.in | Phone: +91-824-2473460

Research: Data Mining, Web Services, Distributed Computing, Databases



G. Ram Mohana Reddy, *Ph.D. (University of Edinburgh, UK)*

Email – profgrmreddy@nitk.edu.in | Phone: +91-824-2473461

Research: Artificial Intelligence, Big Data Analytics, Cognitive Hearing/Speech Science, Cloud/Edge/Fog Computing, QoS-aware Green Data Centers, IoT applications

Professors



Jaidhar C. D., *Ph.D. (NIT Trichy)*

Email - jaidharcd@nitk.edu..in | Phone: +91-824-2473463

Research: Cyber Security, Internet of Things (IoT), Precision Agriculture

Associate Professors



Sowmya Kamath S., *Ph.D. (NITK Surathkal)*

Associate Dean (Alumni)

Email – sowmyakamath@nitk.edu.in | Phone: +91-824-2473467

Research: Healthcare Analytics, Natural Language Processing, Generative AI, Visual Computing



Nagamma Patil, *Ph.D. (IIT Roorkee)*

Email – nagammapatil@nitk.edu.in | Phone: +91-824-2473469

Research: Data Mining, Soft Computing, Applying Data Mining to Biological Data



Biju R. Mohan, *Ph.D. (NITK Surathkal)*

Email - biju@nitk.edu.in | Phone: +91-824-2473468

Research: Software Aging, Virtualization, Software Engineering, Software Architecture



Geetha V., *Ph.D. (NITK Surathkal)*

Associate Dean (Life Skills)

Email - geethav@nitk.edu.in | Phone: +91-824-2473464

Research: Internet of Things, Wireless Sensor Networks, Computer Networks



Anand Kumar M., *Ph.D. (Amrita Vishwa Vidyapeetham)*

Head of the Department

Email – m_anandkumar@nitk.edu.in | Phone: +91-824-2473453

Research: Natural Language Processing, Text Analytics, Information Retrieval, Machine Learning



Purushottama B R., *Ph.D. (NIT Warangal)*

Professor-in-charge (Institute website)

Email – puru@nitk.edu.in | Phone: +91-824-2473465

Research: Information Security, Cryptography, Cloud Security, Security Analytics.

DETAILED FACULTY INFORMATION *(contd.)*

Assistant Professors (Grade I)



Shrutilipi Bhattacharjee, *Ph.D. (IIT Kharagpur), Post-doc (Technical University of Munich, Germany)*

Email - shrutilipi@nitk.edu.in | Phone: +91-824-2473452

Research: Geoscience and Spatial Data Mining, Complex Network Analysis



Bhawana Rudra, *Ph.D. (IIIT Allahabad)*

Email - bhawanarudra@nitk.edu.in | Phone: +91-824-2473454

Research: Cryptography and Network Security, Cyber Security, IoT, Blockchain Security, Quantum Computing & Cryptography, Future Internet & its Security,



Dinesh Naik, *Ph.D. (NITK Surathkal)*

Email - din_nk@nitk.edu.in | Phone: +91-824-2473462

Research: Deep learning for Computer Vision and Natural Language Processing, Evolutionary Deep Intelligence, Scientific Imaging, Biomedical Imaging



Kiran M., *Ph.D. (NITK Surathkal)*

Email - kiranmanjappa@nitk.edu.in | Phone: +91-824-2473451

Research: Blockchain Technology, 5G and beyond, Wireless Sensor Networks, Mobile Adhoc Networks, Swarm Intelligence and Bio-inspired Computing



Janani T, *Ph.D. (NIT Trichy)*

Email - jananit@nitk.edu.in | Phone: +91-824-2473466

Research: Cryptography, Image Encryption, Multimedia Analytics

Assistant Professors (Grade II)



Vamshi A, *Ph.D. (NIT Trichy)*

Email - vamshi@nitk.edu.in | Phone: +91-824-2473458

Research: Cyber security, Cloud Computing, Blockchain, Cyber-Physical Systems, Cloud IoT



Ambairam Muthu Sivakrishna), *Ph.D. (NIT Trichy)*

Email - ambairam@nitk.edu.in | Phone: +91-824-2473450

Research: Trustworthy AI, Cybersecurity, Machine Unlearning for Secure AI, Theoretical Analysis of Neural Networks, Formal Specification & Verification



Moirangthem Rabindra Singh, *Ph.D. (NIT Meghalaya)*

Email – rabindra.m@nitk.edu.in | Phone: +91-824-2473450

Research: Applied Cryptography, Information Security, Elliptic Curve Cryptography, Lightweight Solutions

STUDENTS' INFORMATION

B.Tech. (IT) Placement Statistics *(last 5 years)*

Placement Year	*Total Eligible*	*Total Placed*	*Highest Pay Package*	*Average Pay Package*
2025-26	77	72+3*	76.28 Lakhs	28.11 Lakhs
2024-25	80	67+7*	63.3 Lakhs	23.25 Lakhs
2023-24	137	102+4*	55 Lakhs	24.56 Lakhs
2022-23	113	112+1*	54.75 Lakhs	29.23 Lakhs
2021-22	91	91	45.03 Lakhs	23.03 Lakhs

**Off-campus placement, higher studies*

B.Tech. (AI) Placement Statistics

Placement Year	*Total Eligible*	*Total Placed*	*Highest Pay Package*	*Average Pay Package*
2025-26	35	29+4*	41 Lakhs	22.35 Lakhs
2024-25	41	36+5*	64.09 Lakhs	25.44 Lakhs

**Off-campus placement, higher studies*

M.Tech. (IT) Placement Statistics *(last 5 years)*

Placement Year	*Total Eligible*	*Total Placed*	*Highest Pay Package*	*Average Pay Package*
2025-26	38	22	26.8 Lakhs	15.05 Lakhs
2024-25	32	30+2*	32.57 Lakhs	15.46 Lakhs
2023-24	34	26+2*	34.1 Lakhs	15 Lakhs
2022-23	35	35	38.14 Lakhs	21.66 Lakhs
2021-22	29	28+1*	45.03 Lakhs	17.38 Lakhs

**Off-campus placement, higher studies*

Recent student admissions to top universities *(as per QS World University Rankings)*

Name of Student	*Institute*	*Programme*
Akshara Prabhakar	Princeton University, USA	Integrated MS-Ph.D.
Aditya Bhat	Purdue University, USA	Integrated MS-Ph.D.
Spandana Balumuri	Univ. of Texas at Austin	MS in Computer Science
Akshay Udupa	Carnegie Mellon University	MS in Computer Science
Mohit Mitra	GeorgiaTech, USA	MS in Computer Science
Nachiketh Naganure	Texas A & M University	MS in Computer Science
Tilak Shenoy	Univ. of Illinois Urbana- Champaign	MS in Computer Science

Some IT Entrepreneurs

Student	*Degree and Batch*	*Start-up Initiative*
Madhusudan Ekambaram	B.Tech, Batch of 2004	Founder, KreditBee
Shashank N.D. & Abhinav Lal	B.Tech, Batch of 2009	Co-founders, Practo Healthcare
Shreyas Tonse	B.Tech, Batch of 2010	CEO, Zwayam Digital and Zensible.ai
Rohit Manglik	B.Tech, Batch of 2012	Founder, EduGorilla Platform
Vaibhav Arcot	B.Tech, Batch of 2018	Co-founder, TreeSwift Inc.
Neelesh Soni & Gaurav Raj	B.Tech, Batch of 2012	Co-founders of Piktor Imaging and Rhapsody Labs
Smrithi Ranjan Parida	B.Tech, Batch of 2007	COO, NestAway
Utkarsh Ajay Patil	B.Tech, Batch of 2021	Co-founder of Cryptocase & Seventy7 Technologies Pvt. Ltd.

DEPARTMENTAL FACILITIES

Classrooms

The department has well-furnished classrooms and seminar rooms to facilitate learning, discussions and debates. The specially designed classrooms are equipped with audio visual aids (sound system and LCD projectors) & Internet connectivity (Wi-Fi) to enhance the learning process. The labs are situated in the 3rd, 4th, 5th and 6th floors of the building, while the classrooms are located in adjacent buildings, Lecture Hall Complex C (LHC-C) and Lecture Hall Complex D (LHC-D).

Department Library

The department has its own library, situated on the 5th floor, offering reference books for all subjects and areas of Information Technology. It also includes a Library Information System developed in-house, providing search and discovery functionalities for the library's various resources like seminar reports, UG/PG/Ph.D. Theses and technical videos in a single search. It provides account/history management, automated issue and alert system etc.

Seminar Hall

The department's seminar hall is on the 5th floor and is equipped with ceiling-mounted LCD projector, and wireless audio system. It can comfortably seat more than 125 people and is used for conducting seminars and distinguished lectures.

Conference Room

The Department Conference Room is equipped with digital display system and teleconferencing facilities and is located on the 4th floor. It is used for conducting presentations, seminars, meetings, webinars etc.

Computing Facilities

The department's laboratory setup provides excellent facilities to cater to the varied needs of B.Tech., M.Tech./M.Tech.(Research) students and Ph.D. scholars. The department has several labs for general programming language laboratory courses for UG and dedicated labs for fields like Internet of Things, Data Analytics and High Performance Computing. PG students and research scholars work in dedicated labs equipped with high-end machines and facilities. Some state-of-the-art computing facilities available in the various labs include –

- 1 HPE ProLiant DL380 high-end server with 2 NVIDIA H100 cards for HPC applications
- 163 High-end HP and Dell Desktop systems, with i7 Processor and 16 GB RAM
- 209 High-end HP Desktop systems, with i7 Processor and 32 GB RAM
- 1 Lenovo Workstation with Xeon Processor and 8 GB RAM
- 3 Dell Desktop Systems with i7 processor and 8 GB RAM
- 2 HP Desktop Systems with i7 processor and 4 GB RAM
- 2 CUDA based servers for High Performance Computing – Dell Power Edge R730XD
- 1 Dell Power Edge R540 Server
- 1 Tyrone Camarero Server and 1 NVIDIA DGX Station
- 2D and 3D camcorders for High Performance Multimedia Lab and Applications
- Microsoft Kinect for Xbox 360 for Human Computer Interaction Applications
- MEMSIC Wireless Sensor Network Professional and Educational Kits.
- Microprocessor and Interfacing Kits for hand-on experiments.
- Sense 3D, Myo, Leapmotion, Arduino, Raspberry Pi3, Health/Environment Monitoring Sensors, VR based head Mounted Devices, Google Glass, Oculus Rift, Eye Tracker, Firebird Robotic Kit, Nintendo Wii etc for Human Computer Interaction Applications.
- LAN Trainer Kits for Network and routing simulation experiments
- Rational Rose Suite 7 and IBM's Business Intelligence Suite

DEPARTMENT LOCATION



Contact Information

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