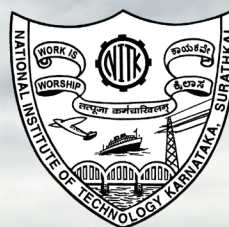# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

MANGALORE 575 025, INDIA

www.nitk.ac.in

...Inspiring Excellence

An Institute of National Importance...

(NITSER Act 2007, Parliament of India, 15th August, 2007)

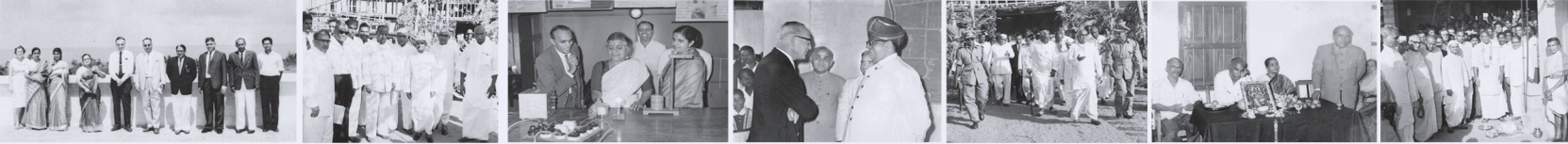# NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA, SURATHKAL

Mangalore 575025, India

www.nitk.ac.in

VISION

To facilitate transformation of students into good human beings, responsible citizens and competent professionals, focusing on assimilation, generation and dissemination of knowledge.

MISSION

- Impart quality education to meet the needs of profession and society, and achieve excellence in teaching-learning and research
- Attract and develop talented and committed human resource, and provide an environment conducive to innovation, creativity, team spirit and entrepreneurial leadership
- Facilitate effective interactions among faculty and students, and foster networking with alumni, industries, institutions and other stakeholders
- Practice and promote high standards of professional ethics, transparency and accountability

INTRODUCTION

National Institute of Technology Karnataka (NITK), Surathkal is located in Mangalore City, Karnataka State, India. Surathkal was earlier a small coastal town; but with rapid growth of the city, it is now incorporated within the city limits of Mangalore. Mangalore is the headquarters of the coastal district of Dakshina Kannada and boasts of being an important centre of education, business and trade in Karnataka State.

The presence of an all-weather major port in Mangalore has resulted in the rapid industrial growth in the hinterland covering large parts of Karnataka, extending up to the state capital, Bangalore. Mangalore also possesses Special Economic Zones and has been earmarked for Information Technology Parks. Dakshina Kannada district boasts of 100% literacy and is well known for its educational institutions. Mangalore is a popular tourist destination and is well known for pristine beaches, temples and unique cuisine. Sri U. Srinivasa Mallya, a visionary and a philanthropist contributed immensely to the development of the coastal region of Karnataka. Among the many achievements to his credit, his effort towards establishment of the Karnataka Regional Engineering College (KREC – now NITK) at Surathkal is probably the most significant one. In recognition of his role as the founder and architect of NITK, the campus premises is named after him as 'Srinivasnagar'.

TEAM NITK
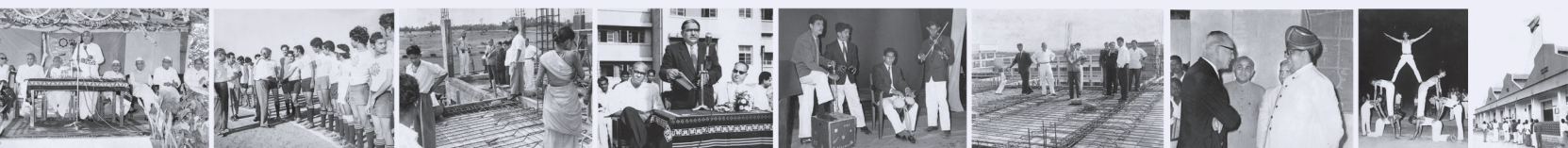
An Amalgamation of:

13 Departments

01 School

12 Supporting Centres

245 highly qualified and dedicated faculty

166 committed supporting staff

6000 talented and motivated students

25000+ distinguished alumni

GOVERNANCE

NITK is governed by the Board of Governors which consists of representatives of the Government of India, Government of Karnataka, Alumni, Industry and other bodies. The Chairman of the Board is nominated by the Government of India. The Director is the administrative head of the Institute. The functioning of NITK is governed by NIT Act, 2007 and by rules laid down by the Government of India from time to time.

DEPARTMENTS

- Applied Mechanics and Hydraulics
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science and Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Information Technology
- Mathematical and Computational Sciences
- Mechanical Engineering
- Mining Engineering
- Physics
- Metallurgical and Materials Engineering

SCHOOLS

- School of Management

CAMPUS:

- Lush green 295 acres of campus set in sylvan surroundings with a beach
- Residential campus, self-sufficient in every respect
- A full-fledged Health Care Centre with visiting specialists and ambulance facility
- Shopping complex, schools, banks with ATMs, post office, cafeterias
- 1200 seater auditorium, 1800 capacity open air theatre
- Institute guest house with VIP suites and dining hall complex
- Safe & secure campus with 24X7 comprehensive security and fire safety measures

CLASSROOMS & LABORATORIES:

- 150+ Classrooms, equipped with audio-visual facility
- 120+ laboratories equipped with state-of-the-art equipment
- Dedicated and qualified laboratory technicians and staff
- Specialized laboratories in several thrust areas of research & development
- Laboratories established with industrial support and collaboration
- Laboratories certified to carry out testing and calibration

COMPUTING:

✦ Fully air-conditioned Central Computer Centre (CCC) with over 225 Stand-alone Desktop PCs and 30 Central Servers

✦ 12 Core Single-mode Fibre based Campus Network with 1 Gbps/10Gbps Backbone Speed

✦ 24x7 Internet connectivity (4 Gbps, 4 Gbps lease lines of 1:1) to departments, student hostels and faculty residences

✦ Separate Departmental Computer Centres

✦ Image Processing Lab

✦ Information Security Lab

✦ High Performance Computing Facility

✦ IoT and Data Analytics Lab in collaboration with RDL Technologies, Mangalore

CENTRAL LIBRARY:

✦ Excellent library facilities catering to the needs of curriculum, research, consulting and general reading.

✦ Spacious library building with large reading halls

✦ Fully automated barcode facilities for lending and web-enabled library catalogue (Web OPAC)

✦ Large library collection with 135000 books (print), 8193 eBooks (online), 260 print journals, 12045 e-journals, 15400 back volumes, 23 online databases, 32806 standards in digital form, 2251 CD-ROMs, 2 scientific and bibliographic databases.

✦ Central library with membership of e-Shodh Sindhu Consortium (MHRD), NIT Consortium, DELNET.

✦ Digital reading room facility to enable easy access to electronic resources with 25 dedicated computers with internet and Wi-Fi connectivity.

HOSTELS:

• Completely residential campus with hostel facilities for 4500+ students

• 12 Hostel blocks for boys, 5 hostel blocks for girls with power back up

• International hostel

• Multiple dining halls offering variety cuisine

• Reading room in each hostel with books and periodicals

• All hostel rooms provided with internet connection

• Student participation in management of hostels and dining halls

• Major festivals celebrated in hostels

• Central laundry facility launched in the academic year 2018-19

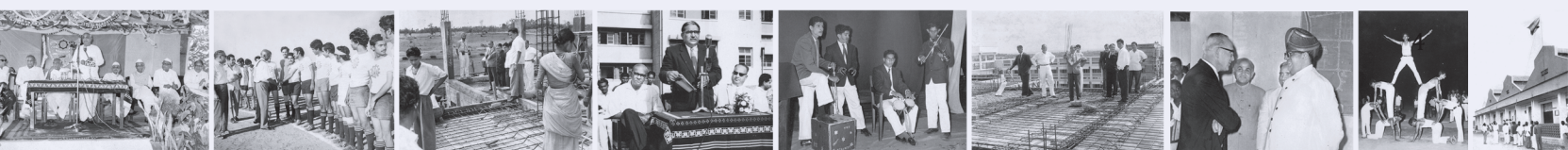• Student transportation facility from hostels to Lecture Hall Complexes/ Departments and back

CENTRES OF EXCELLENCE FOR SUPPORTING MULTIDISCIPLINARY RESEARCH:

• Disaster Risk Reduction

• Sustainable Technologies

• Wireless Sensor Networks

• Materials Research

• System Design (Virtual Instrumentation)

• Innovation

• Smart Grid Technologies

ASSOCIATED CENTRES

• Centre for Continuing Education (CCE)

• Industry-Institute Partnership (IIP) Cell

• NITK Science and Technology Entrepreneurs' Park (STEP)

• Nirmithi Kendra

• Design Innovation Centre

ACADEMIC PROGRAMMES

Undergraduate (UG: B.Tech) Programmes (9):

- Civil Engineering
- Chemical Engineering
- Computer Science & Engineering
- Electronics & Communication Engineering
- Electrical & Electronics Engineering
- Information Technology
- Mechanical Engineering
- Metallurgical & Materials Engineering
- Mining Engineering

Postgraduate (PG: M.Tech) Programmes (26):

- **Department of Applied Mechanics & Hydraulics**
  1. Marine Structures
  2. Water Resources Engineering & Management
  3. Remote Sensing & GIS

- **Department of Civil Engineering**
  1. Environmental Engineering
  2. Geotechnical Engineering
  3. Structural Engineering
  4. Transportation Engineering
  5. Construction Technology & Management

- **Department of Chemical Engineering**
  1. Chemical Engineering   2. Environmental Science & Technology   3. Industrial Biotechnology

- **Department of Computer Science & Engineering**
  1. Computer Engineering   2. Information Security

- **Department of Electronics & Communication Engineering**
  1. Communication Engineering   2. VLSI Design   3. Signal Processing and Machine Learning

- **Department of Electrical & Electronics Engineering**
  1. Power & Energy Systems

- **Department of Information Technology**
  1. Information Technology

- **Department of Mechanical Engineering**
  1. Thermal Engineering   2. Manufacturing Engineering
  3. Mechatronics Engineering   4. Mechanical Design

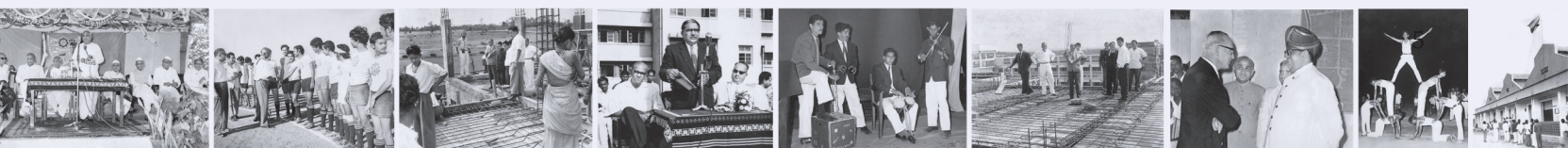- **Department of Metallurgical & Materials Engineering**
  1. Process Metallurgy   2. Materials Engineering
  3. Nanotechnology

- **Department of Mathematical & Computational Sciences (MACS)**
  1. Computational and Data Science

- **Department of Mining Engineering**
  1. Rock Excavation Technology & Management (only by research)

M.Tech (Research) (27)

- Across all Engineering Departments

Other PG Programmes:

- Master of Computer Applications (MCA) - Department of MACS
- M.Sc. (Chemistry) - Department of Chemistry
- M.Sc. (Physics) - Department of Physics
- Master of Business Administration (MBA) - School of Management

Doctoral Programmes:

- Across all departments

ADVANTAGE NITK

- One of the oldest technological institutions in southern India
- Rated as the best technological institution in Karnataka
- Highly accomplished and well-placed alumni serving both within the country and abroad
- Very good industry-institutional and alumni linkages
- Dedicated and trained technical and administrative staff
- Proximity to Bangalore, the IT capital of India; rapidly developing Mangalore region with several existing upcoming mega industries
- Rated among the top technological institutions in India
- Excellent placement record, rated among top in the country for placements
- Brightest students from throughout the country and abroad
- Highly motivated and qualified faculty
- Central Computer Centre providing Advanced Computing Facilities with campus-wide networking and internet lease lines providing 1 Gbps connectivity
- Good connectivity by road, rail and air to destinations in India and abroad

AWARDS AND RECOGNITIONS

1991 – Government of Karnataka Award for Best College

2000 – ISO 9002 Certification to the Departments of Computer Science & Engineering and Electronics & Communication

2001 – ISTE Bharatiya Vidya Bhavan National Award for Best Overall Performance

2006 – Science Direct Award for Highest Usage of Online Journal Resources

2007 – IEEE Best Student Chapter Award: Bangalore Section

2010 – Indian Society for Technical Education (ISTE): Certificate of Appreciation awarded to NITK Surathkal in appreciation of having successfully organized the 39th ISTE Annual National Convention during 2009.

2010 – Outstanding Concrete Structure, D.K. & Udupi District Award to Mega Hostel Building of NITK, by Association of Consulting Civil Engineers, Mangalore Centre, Mangalore & Ultra Tech Cement Ltd.

2011 – Entrepreneurship Week India Honour Roll to NITK by NEN Trust Team.

2011 – STAR News National B-School Awards in association with Canon Best Government Engineering College on February 12, 2011.

2012 – Ranking of the institute by various ranking agencies: 8th by India Today, 9th by Data Quest, 7th by GHRDC-Competition Success and 13th by Outlook.

2012 – Ranking of the Institute by various ranking agencies: 7th by GHRDC - Competition Success, 8th by India Today, 9th by Data Quest and 13th by Outlook.

2014 – Ranking of the institute by various ranking agencies: 6th by GHRDC, 9th by Data Quest, 12th by India Today, 15th by The Week-Hansa

2015 – Ranking of the Institute by various ranking agencies: 2nd by GHRDC under the category "Colleges of Super Excellence", 8th by Data Quest, 12th by The Week-Hansa, 10th by India Today

2016 – Ranking of the Institute by various ranking agencies: 2nd by GHRDC under the category "Colleges of Super Excellence", 8th by India Today, 9th by Outlook, 9th by India Silicon Rankings, 12th by The Week-Hansa "Best Engineering Colleges"

2017 – Ranked 22nd among top engineering institutions in India as per NIRF ranking; ranked 16th in India Today

2018 – Ranked 21st among top engineering institutions in India as per NIRF ranking

2019 – Ranked 2nd by CSR-GHRDC under the category "Colleges of Super Excellence"; ranked 5th in Times Engineering Survey; Ranked 21st among top engineering institutions in India as per NIRF ranking
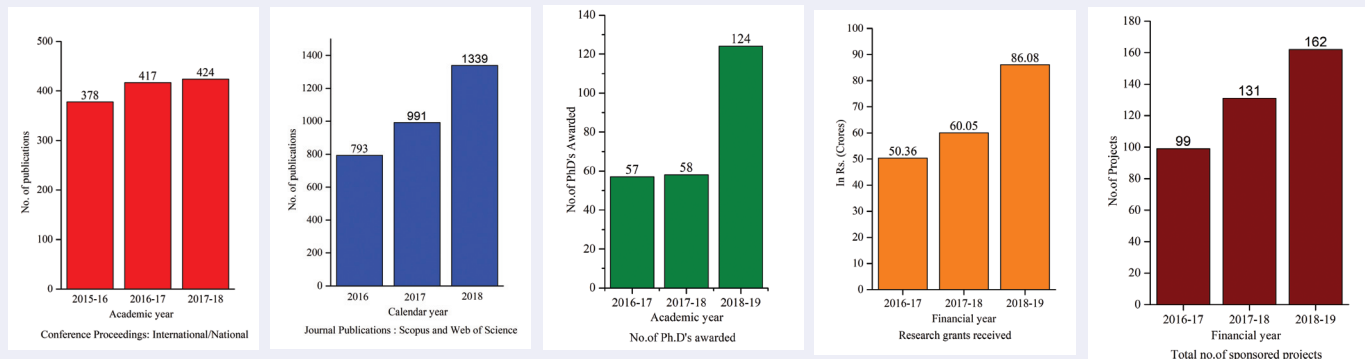
RESEARCH AND DEVELOPMENT

- Research Advisory Board (RAB) established to provide policy directions to research activities in the Institute

- Significant research grants attracted from various central and state government agencies, the total number of ongoing sponsored research projects being 149

- Total number of registered PhD students: 799. Number of students awarded PhD in the academic year 2018-19: 124

- M.Tech (Research) programme introduced in all departments

- Recognized as Centre for AICTE sponsored National Doctoral Programme; Recognized as Centre for Quality Improvement Programme (QIP) for M.Tech and PhD Programmes for sponsored teachers from other technical institutions

- Several faculty members participate in international collaborative research projects with collaborators in USA, South Korea, Malaysia, Japan, Switzerland, South Africa, Thailand, Philippines and Vietnam.

- Scopus publication per faculty per annum is 3.95 in the year 2018. The h-index for the Institute is 64.

- Research Parks being planned for faculty start-ups

- Research Fellowship Programmes planned to encourage research scientists and post-doctoral fellows

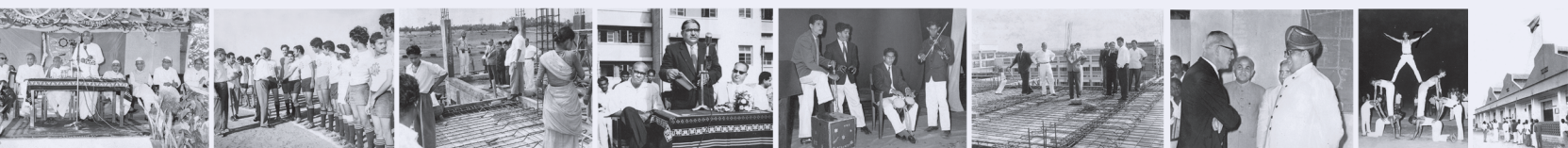- Seven Centres of Excellence to support interdisciplinary/ multidisciplinary research

RESEARCH OUTPUT (2015-2018)

Conference Proceedings: International/National

Journal Publications : Scopus and Web of Science

No.of Ph.D's awarded

Research grants received

Total no.of sponsored projects

INDUSTRIAL CONSULTING

- Institute supports and encourages faculty members to provide industrial consulting services.

- Testing & consulting activities are facilitated, coordinated and monitored by the Industry Institute Partnership (IIP) Cell.

- Institute laboratories are recognized for quality services in testing, certification and calibration of instruments, equipment and materials.

- Industries and Government agencies in the region/state have gained significantly through technical consultancy provided by faculty.

- More than 200 industries and government agencies are availing testing & consultancy services from the Institute regularly.

- Total revenue generated through testing & consultancy works during 2018-19 was Rs. 1.55 Crores.

- Institute has its own Intellectual Property Rights (IPR) Policy and has filed 35 Indian patent applications so far. 15 patents have been published in the last few months.

- IIP Cell facilitates and manages filing of patent applications, technology transfer and licensing of its technologies.
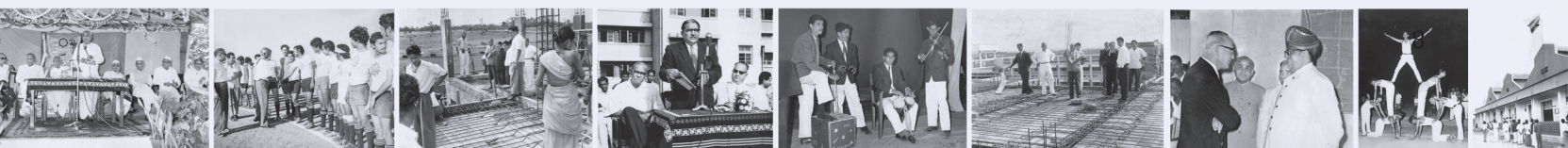
TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM (TEQIP)

- ✦ A World Bank-assisted project implemented by MHRD to improve quality of technical education in the country
- ✦ TEQIP Phase I from the year 2003 to 2009 with a budget outlay of Rs. 21 Crores; TEQIP Phase II from the year 2010 to 2017 with a budget outlay of 19.66 crores
- ✦ Because of excellent performance in TEQIP I & II, NITK identified as lead institution for TEQIP III with a total outlay of Rs. 700 lakh
- ✦ The Institute has been designated as Mentor Institute for Government Engineering College (GEC), Jhalawar, Rajasthan.
- ✦ A Memorandum of Understanding (MoU) with MHRD and agreement between NITK and the mentee institute, GEC Jhalawar, have been signed.
- ✦ Facilitated organization of faculty/staff development programmes, joint activities with mentee institute.
- ✦ 166 students of GEC Jhalawar offered Summer Internships during Summer 2018 and 104 students during Summer 2019
- ✦ Theme workshops, Workshops for pedagogy training, Graduate employability, Faculty and Staff development, Joint Research Projects, Research and Development, Mentoring/Twinning, Management Capacity Development, Industry-Institute Interaction etc., are the activities and themes under this programme.

IMPORTANT MILESTONES

1960 - August 6, founded as Karnataka Regional Engineering College (KREC) with 3 Undergraduate (UG) programmes (Civil Engineering, Mechanical Engineering, Electrical Engineering) with affiliation to University of Mysore

1965 - UG programmes in Chemical Engineering and Metallurgical & Materials Engineering begin.

1966 - Industrially oriented Postgraduate (PG) programmes in Industrial Structures and Marine Structures introduced.

1967 - Grant of UN special fund and assistance of UNESCO International experts in development of PG programmes.

1971 - UG programme in Electronics & Communication introduced.

1980 - Affiliation shifted to newly formed Mangalore University.

1984 - UG programme in Mining Engineering introduced.

1985 - UG programme in Computer Science & Engineering initiated.

1988 - Master of Computer Applications (PG programme) started.

1992 - Introduction of PG programme in Power and Energy Systems

1993 - Project IMPACT funded by Swiss Agency for Development and Cooperation, World Bank and Government of India

1994 - Grant of MHIRD Centre of Excellence Funding
- Grant of UK-India REC project under IT theme
- KREC STEP established

1995 - Central Computer Centre established in an independent building

1998 - Electronics Education Network Project funded by Swiss Agency for Development and Cooperation

1999 - Campus-wide optical fibre network installed

2000 - UG programme in Information Technology introduced

2002 - Elevated to the status of Deemed University and renamed as National institute of Technology Karnataka (NITK), Surathkal

2003 - August 6, first Annual Convocation of the Institute.
- Lead institution status for World Bank funded Technical Education Quality Improvement Program (TEQIP-I)

2007 - Declared as *Institute of National Importance* through NIT Act of Parliament (15 August 2007)

2008 - All academic programmes accredited by National Board of Accreditation (NBA)
- Recognized as a major QIP centre for all PG and PhD programmes
- Centre for Yogic Sciences and Continuing Education opened in a new building.

2009 - Successful Implementation of World Bank Sponsored TEQIP Phase-I programme.
- Mentoring of NIT-Goa entrusted to NITK Surathkal by MHRD.
- 50th Foundation day Celebrated
- Inauguration of Golden Jubilee Celebrations
- 24th Indian Engineering Congress & 39th ISTE Annual Convention Organized.
- Induction of one Bosch-sponsored Professorial Chair in Mechanical Engineering

2010 - A strategic plan for the period 2010-2020 prepared
- Induction of one Ministry of Steel-sponsored Professorial Chair in Metallurgical & Materials Engineering.
- New Teaching Block (NTB) inaugurated.
- TEQIP-II commences

2011 - 1512 seater Mega Hostel inaugurated.
- New Mechanical Engineering Building inaugurated.
- New Science Block inaugurated
- Vehicular underpass across the National Highway 66 inaugurated
- 33 kV, 5 MVA Substation commissioned.
- Global alumni meet held in Bangalore.
- All India admissions for UG programmes to all NITs under Central Counselling Board (CCB) was successfully coordinated by the Institute

2012 - 347 seater New Ladies Hostel Block inaugurated.
- Global Alumni meet held in Dubai.

2013 - NITK Global Alumni Meet held in San Francisco, USA

2014 - All the UG programmes got accredited for five years
- Direct Admission of Students Abroad (DASA) successfully coordinated by the Institute for five continuous years (2010-2014)

2015 - Mentoring of IIIT Dharwad entrusted to the Institute by MHRD.

2016 - Centralized counselling for M.Tech/M.Arch/M.Plan (CCMT) coordinated by the Institute
- Installation of total 1MWp (1000KWp) Capacity Solar Power Plants at the rooftop of 18 existing buildings on RESCO model of the Ministry of New and Renewable Energy through Solar Energy Corporation of India

2017 - New Lecture Hall Complex [Block – C] on the western side of the campus inaugurated with a total built-up area of about 8,193 sqm
- Vertical extension of new Mechanical Engineering block (4th, 5th and 6th floors) with a total built-up area of about 6,355 sqm inaugurated
- TEQIP-III commences

2018 - NITK receives HEFA grant of Rs. 80 Crores to strengthen Central Research Facility (CRF) and a grant of Rs. 86 Crores for infrastructural development.
- About 54,840 sq. metres of new building area constructed and inaugurated, the total worth of which is Rs. 198 Crores. This included:
  • Department of CSE Building

  • Department of Chemical Engineering Building
  • E-Library complex with state-of-the-art facilities
  • Extension of Dept. of Applied Mechanics and Basic Sciences building
  • Non-faculty residential apartments (Type III and Type IV)
  • A girls' hostel of 250 single occupancy rooms

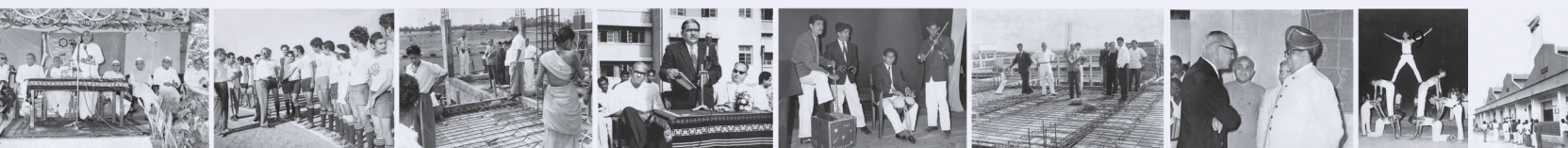2019 - Diamond Jubilee celebrations begin

- New Sports Complex with a total built-up area of about 7,491 sqm inaugurated
- 39 students/alumni start-ups set up
- Direct Admission of Students Abroad (DASA) being coordinated at the Institute again, offering admission to NRIs/PIOs/foreign students in more than 35 centrally funded institutions

STUDENT PLACEMENTS
- Career Development Centre facilitates centralized on-campus job Interviews and placements for all students
- Excellent track record of securing well-paid jobs in premier companies in India and abroad
- Challenging assignments and one of the best pay packages offered in the country
- Project work & internships in prestigious industries
- Career counselling services provided to students
- Development of soft skills and personal effectiveness to equip students in career planning
- During 2018-19, about 270 companies visited the campus. UG placements stood at 92% and PG placements at 54% in campus selections.

ALUMNI NETWORKING
- NITK Alumni Association has a strong network across the globe with chapters spread over five continents viz. Asia, Africa, Europe, North America and Australia.
- Alumni have formed a Venture Support Cell to support and fund start-up initiatives of the Institute students/alumni.
- NITK alumni are funding the Institute faculty/student projects, offering Internships and placements.

COLLABORATION

The Institute has established a strong interface with Institutions of higher learning, R&D labs, industries and reputed universities in India and abroad to promote collaborations in academic programmes, joint research projects, faculty exchange and student training.

ACADEMIC INSTITUTES IN INDIA

1. National Law School of India University, Bangalore
2. National Institute of Disaster Management, New Delhi
3. IIT Bombay
4. National Institute of Technology Tiruchirappalli, Tamil Nadu
5. Indian Institute of Science, Bangalore
6. National Institute of Technology Agartala, Tripura
7. Indian Institute of Technology Madras, Chennai
8. Manipal University, Manipal
9. Management Development Institute, Gurgaon, India (MDI)
10. National Institute of Technology Calicut, Kerala
11. Shree Dharmasthala Manjunatheshwara Law College (Centre for Post Graduate Studies & research in Law), Mangalore, D.K.
12. Father Muller Medical College, Mangalore

FOREIGN ACADEMIC INSTITUTES

1. Dept. of Nanoscience and Engineering/ BK21PLUS Nano Convergence Project Group of Inje University, Republic of Korea
2. Universita Degli Studi di Pavia, Italy
3. University of District of Columbia (UDC) School of Engineering and Applied Science, Washington, USA
4. Institute of Radio Frequency and Optoelectronics Integrated Circuits Plus State Key Lab of Bioelectronics, South East University, China
5. Gheorghe Asachi Technical University of Iasi, Romania, Under Erasmus +Programme
6. Korea Institute of Science and Technology, Korea
7. University of California Berkeley (Mechanical Engineering – Combustion Group) Berkeley, California
8. Centre for Marine Technology and Ocean Engineering (CENTEC), Instituto Superior Tecnico, Universidade de Lisboa, Portugal
9. USC Viterbi School of Engineering, USA
10. Department of Electrical and Computer Engineering, Northeastern University, Boston, USA
11. D'Amore-McKim School of Business, Northeastern University, Boston, USA
12. Michigan State University, U.S.A.
13. Hepia-University of Applied Sciences Western Switzerland Technology, Architecture and Landscape
14. University of Seville (UoS), Spain
15. National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine
16. Mitacs Inc., Canada
17. ECAM Lyon (Ecole Catholique des Arts et Metiers) School of Engineering, France
18. Universitat Rovira I Virgili, Tarragona, Spain
19. The School of Business and Engineering, University of Applied Sciences, Western Switzerland, Vaud (HEIG - VD)
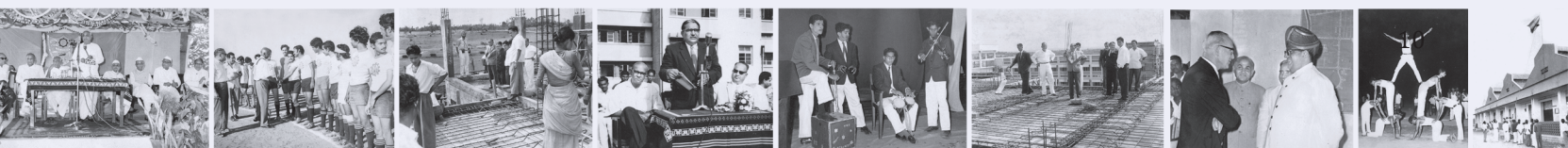20. Kagoshima University, Japan
21. Faculty of Engineering and Graduate School of Science and Technology, Kumamoto University, Japan
22. Mahidol University, Kanchanaburi campus, Thailand.

RESEARCH LABS

1. Advanced Polymer Design and Development Research Laboratory (R&D Unit of CIPET), Bangalore
2. Wolfram Research Inc., USA (WRI)
3. Institut National de la Recherche Agronomique (INRA), France
4. Council of Scientific and Industrial Research - Central Glass and Ceramic Research Institute (CSIR - CGCRI)
5. Hard Rock Regional Centre, National Institute of Hydrology, Belgaum
6. CSIR-National Institute of Oceanography, Goa
7. Mercedes-Benz Research and Development India Pvt Ltd (MBRDI), Bangalore
8. Bhabha Atomic Research Centre (BARC), Mumbai
9. National Aerospace Laboratories (NAL)
10. DELL R&D, Bangalore
11. Central Power Research Institute (CPRI) Bangalore

INDUSTRY

1. Human Resocia Co Ltd, Japan
2. AB Volvo Group, Sweden
3. Advanced Micro Devices (AMD) Inc., Sunnyvale, California, USA
4. Kompetenzzentrum Holz GmbH, Austria
5. ABB Global Industries and Services Pvt Ltd
6. KIOCL, Mangalore
7. Aum Techno Spray, Bangalore
8. SimLife Electric Pvt Ltd, Bangalore
9. Eaton Technologies Pvt Ltd
10. Arya Technocrats, Belagavi
11. Rambal India Ltd, Thiruporur, Tamil Nadu
12. Networkers Home, New Delhi
13. AMD India Pvt Ltd
14. Infineon Technologies Asia Pacific Pvt Ltd
15. iBuild Innovations India Pvt Ltd, Hyderabad
16. Sapience Consulting, a Texas Instruments University Program Partner, India
17. WABCO India Ltd
18. Huawei Technologies India Pvt Ltd (HTIPL)
19. PepsiCo India Holdings Pvt Ltd
20. Hexagon Capability Center India Pvt Ltd
21. IBM India Pvt Ltd
22. Moog India Technology Center Pvt Ltd
23. Insmart Systems, Hyderabad
24. Larsen & Toubro Ltd (L&T Construction)
25. ProSIM R&D Pvt Ltd
26. Robert Bosch Engineering and Business Solutions Ltd (RBEI), Bangalore
27. Mercedes-Benz Research and Development India Pvt Ltd (MBRDI), Bangalore
28. DELL R&D, Bangalore
29. Oil and Natural Gas Corporation (ONGC) Ltd, Dehradun
30. Mangalore Refinery and Petrochemicals Ltd (MRPL)

OTHERS

1. Ministry of Housing and Urban Poverty Alleviation (MHUPA)
2. The Indian Navy, New Delhi
3. Indian Naval Academy, Ezhimala
4. Karnataka State Biofuel Development Board, Government of Karnataka, Bangalore

BEST PRACTICES

- Scheduled Caste/Scheduled Tribe Cell in place for welfare and grievance redressal of SC/ST students and staff
- OBC Cell for welfare and grievance redressal of OBC students and staff
- Special coaching classes for students of weaker section with student tutoring support
- Series of Skill Development Programme to enhance students' employability
- A Ring Presentation Ceremony to present silver rings to all graduating students as a symbol of permanent bond with the alma mater
- Internal Complaints Committee in place as part of zero tolerance to sexual harassment
- Grievance Redressal Committee to look into the grievances of staff
- Institute Human Ethics Committee to screen research involving human body samples
- Grievance Redressal Officer in place to address the issues and concerns of persons with disabilities (PwD) as per the Rights of Persons with Disabilities Act, 2016
- Hindi Cell to foster implementation of Hindi language in the Institute
- Institute Dissection Monitoring Committee to monitor research involving animals

OUTREACH ACTIVITIES

- As a policy, the Institute makes significant efforts to discharge its societal commitments
- Events and awareness programmes on topics of interest to general public are regularly organized
- Training programmes/workshops conducted on the various initiatives launched by the Government
- Special efforts made to provide computer literacy to school children in the region
- Significant contribution to planning and functioning of Pilikula Science Centre, Mangalore
- 40 companies incubated at NITK-Science and Technology Entrepreneurs' Park (STEP) till date, currently housing 3 entrepreneurs, 4 start-ups and 2 incubators
- Initiatives taken by the Institute under PMGSY of Government of India; Science & Technology exhibitions undertaken in the aegis of Government of Karnataka
- 35 programmes under Global Initiative of Academic Networks (GIAN) conducted in the Institute catering to the needs of a wider academia

COORDINATING ADMISSIONS

NITK has coordinated several all-India admissions for UG and PG programmes under different schemes. Several new user-friendly features have been introduced in such online admission processes. In 2011, the Institute coordinated All India Admissions to UG programmes to all NITs under Central Counselling Board (CCB). In 2016, centralised counselling for PG programmes was coordinated at NITK under the aegis of Centralized Counselling for M.Tech./M. Arch./M.Plan. (CCMT). The Institute coordinated Direct Admission of Students Abroad (DASA), a Government of India scheme for five continuous years from 2010 to 2014, offering admission to NRIs/PIOs/foreign students in more than 35 centrally funded institutions for UG and PG programmes. The Institute is again coordinating the said scheme for 2019 admissions.
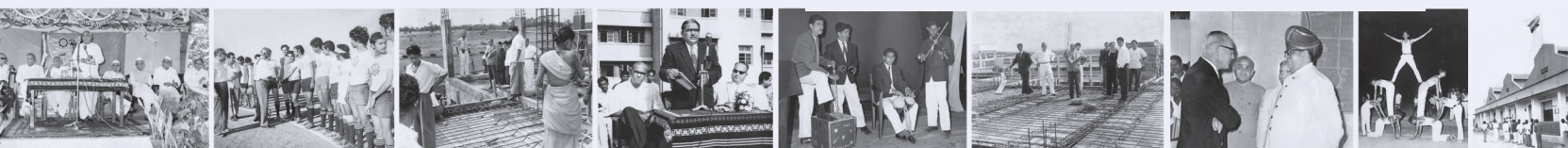
STUDENT LIFE

Sports & Games

- Separate Department of Physical Education established to create awareness about and provide platform for sports, games and physical fitness

- International standard playfields for Hockey and Football
- Cricket field with turf pitches
- Floodlit Basketball courts of international standard
- Tennis, Volley ball, and Handball Courts
- Indoor gymkhana with Shuttle Badminton courts and Table Tennis facilities
- Well-equipped gymnasium
- Floodlit swimming pool of international standard
- 26 Student Clubs for co-curricular and extra-curricular activities like Music, Debate, Dance, Drama, Star Gazing, Management, Entrepreneurship, spirituality, etc.
- Active SPICMACAY Mangalore Chapter
- Film Club organising weekly screening of movies in Open Air Theatre and an annual Film Festival

- National Cadet Corps (NCC) established in 1964
- National Service Scheme (NSS) for Community Services
- Value Education Centre

ANNUAL EVENTS

Incident
National Level Intercollegiate Cultural Festival (Even semester)
Engineer
National Level Intercollegiate Technical Festival (Odd Semester)
Crescendo
Inter-batch, Intra-Institute Cultural Festival

FUTURE PLANS

The management, faculty, staff and students of the Institute are leaving no stone unturned in achieving the overall goals and objectives of the Institute. The following new projects are being executed through Central PWD and these projects are expected to be completed in the current financial year:

- Construction of a new Boys' Hostel building of 500 single occupancy rooms with a total built-up area of about 19,021 sqm
- renovation of the existing Library with a total built-up area of about 2,200 sqm
- Construction of new Faculty Apartments (2 apartments – 'Type V' with a total built-up area of about 5,245 sqm and 'Type VI' with a total built-up area of about 6,840 sqm with 24 dwelling units in each apartment)

The following projects are under pipeline and shall be taken up for execution soon:

1. Central Research Facility (CRF) Centre of Excellence (CoE) buildings with an outlay of Rs. 48 Crores under HEFA scheme
2. Construction of new building for School of Interdisciplinary Studies
3. Construction of a new building for School of Management and Department of Metallurgical and Materials Engineering
4. New Girls' Hostel of 300 single occupancy with an outlay of Rs. 38 Crores
5. New Boys' Hostel of 600 occupancy with an outlay of Rs. 43 crores under HEFA scheme
6. Providing solar streetlights on campus roads
7. Water harvesting and campus beautification in 2 phases

ADMINISTRATION

Prof. K. Balaveera Reddy,
Chairperson, BOG

Prof. K. Umamaheshwar Rao
Director

Prof. Ananthanarayana V.S.
Deputy Director

Prof. M.B. Saidutta
Dean (Academic)

Prof. A.H. Sequeira
Dean (Faculty Welfare)

Prof. Jagannath Nayak
Dean (Students' Welfare)

Prof. Subhash C. Yargal
Dean (Planning & Development)

Prof. K. Panduranga Vittal
Dean (Alumni Affairs & Institutional Relations)

Prof. U. Shripathi Acharya
Dean (Research & Consultancy)

Ravindranath K.
Registrar

HOW TO REACH NITK

The Institute is located 22 kms north of Mangalore city along the Kanyakumari-Mumbai National Highway 66, amid sylvan surroundings with the picturesque Western Ghats on the east and sun-kissed sands of the Arabian Sea to the west.

NITK is easily accessible from all parts of the country. Being situated right on the NH 66, the Institute is very well connected by bus routes to the North and South. Mangalore is also connected by NH 48 to Bangalore and there are over 200 luxury buses plying daily between Mangalore and Bangalore.

Surathkal, on the Konkan Railway (linking Mumbai to Kanyakumari), is the nearest railway station and is a stopover for most trains passing through Konkan Railway. While Surathkal and Kankanady Junction are the closest alighting points for visitors coming by train from the North, Mangalore Central is the station for many trains from South India. Mangalore International Airport is just 20 km from the campus and there are domestic flights to Mumbai, Bangalore, Hyderabad and Chennai with connections to the rest of the country. Direct International flights are available to Muscat, Dubai, Abu Dhabi, Kuwait, Bahrain and Doha.