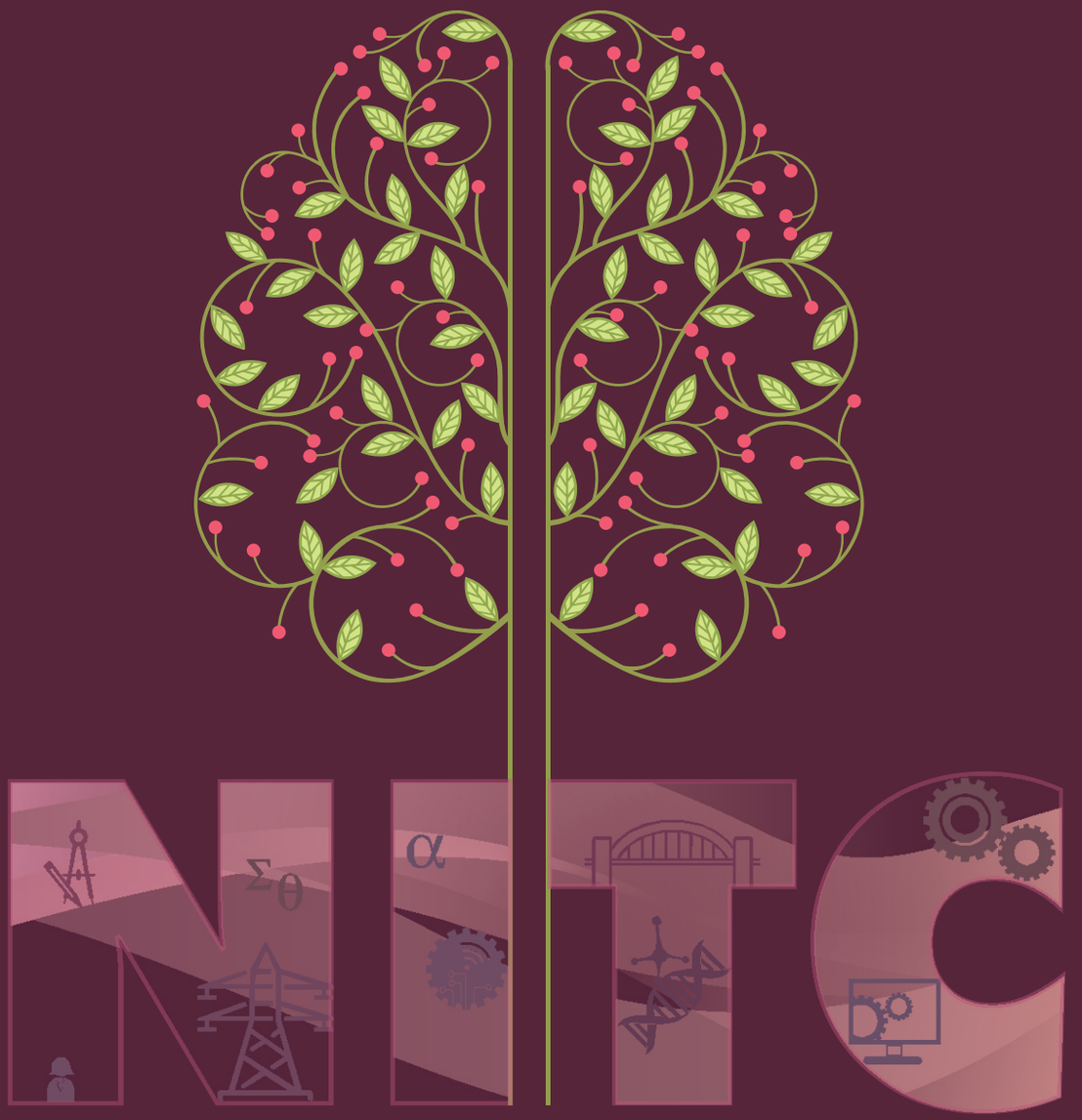

National Institute of Technology Calicut

2022

Vision

International standing of the highest caliber

Mission

To develop high quality technical education and personnel with a sound footing on basic engineering principles, technical and managerial skills, innovative research capabilities, and exemplary professional conduct to lead and to use technology for the progress of mankind, adapting themselves to changing technological environment with the highest ethical values as the inner strength

Message from the Director's Desk

I am very much honoured to write this message for the Institute brochure released on the Diamond Jubilee year. It is a second homecoming for me when I joined as the Director of this Institute in October 2021. I have watched with pride the tremendous strides taken by the Institute in the spheres of academics, research ,consultancy, and placement from the REC times to the current state of the Institute. From its humble beginning as the 9th REC in India, established on September 1, 1961, with 125 students housed in the temporary campus at Govt. Polytechnic, West Hill, Calicut, today, the Institute has grown to the extent of housing more than 6700 students in its sprawling campus. Having started its journey as Calicut Regional Engineering College (CREC) with three undergraduate programmes in Civil Engineering, Mechanical Engineering and Electrical Engineering; today, NITC offers 11 undergraduate programmes, 30 postgraduate programmes and doctoral research programmes in various streams of Engineering, Technology, Architecture, Planning, Management and Science.

I am extremely happy to note that this brochure highlights Institute's significant milestones during its sixty glorious years. It is a matter of pride for the Institute to announce that it has secured 25th rank in NIRF ranking under Engineering stream. The rank in the Architecture stream is improved to second from the third position in this diamond jubilee year. The Institute is ranked 9th among centrally funded technical institutes in the country and is the only NIT in the top 10 Institutes in the ARIAA ranking, which proves its mettle in the field of research and innovation.

I am very confident that the education, training and exposure given to our students by this Institute instil in them the necessary skill sets to enable them to work towards the fulfilment of their dreams and make themselves relevant in these rapidly changing times. NITC has mainly focused its efforts on four dimensions: research and innovation, strengthening of infrastructure, human resource development and industrial and social outreach. These four factors have directly paid dividends in terms of improving the quality of the academic processes and the output. As a result, student placement, a critical indicator of public interest, has maintained a positive gradient all these years. NIT Calicut is leaving no stone unturned in making the system vibrant for ensuring seamless networking with the best in class institutions/industries across the nation/globe. The Institute is strategically moving ahead to create solid links through formal and informal networks with researchers and professionals to have a broader academic audience.

It is delighted to see that the brochure covers the major facilities available in the Institute, which helps in the steady growth of its research and consultancy activities. The brochure has also laid out the facilities available at the Technology Business Incubator to help grow young entrepreneurs. Redefining the goals and putting a thrust on socially relevant courses has enabled the Institute to produce ready-toemploy graduates and value-added research outputs with sustained quality and excellence. The upcoming curriculum revision by integrating NEP 2020 and NISP 2019 will help more to achieve excellence in holistic education and research. As the Director, I am extremely indebted to the Government of India, Ministry of Education, Government of Kerala, the local administration, industries, funding agencies, alumni and all other stakeholders for rendering their tremendous support to achive our vision of *International standing of the highest calibre*.

Prof. Prasad Krishna
Director

March 09, 2022

Message from the Deputy Director's Desk

National Institute of Technology Calicut, formerly Regional Engineering College Calicut, is celebrating its diamond jubilee year in 2021 -2022. Established in 1961, with the objective of providing skilled technical manpower to the industrial and infrastructure projects, the Institute has grown by leaps and bounds to attain the status of an 'Institution of National Importance" with stellar contributions to the field of Science and Technology. From its humble beginnings with three undergraduate programmes in Civil Engineering, Electrical Engineering and Mechanical Engineering, the Institute today offers 11 undergraduate programmes, 30 postgraduate programmes and doctoral research programmes in all major areas of Engineering, Architecture, Science and Management. The alumni of the Institute have reached pinnacles of success, thereby making their alma mater proud of their achievements and have also contributed in means, in no way small, to the growth of the Institute.

As the nation celebrates "Azadi Ka Amrit Mahotsav", in the 75th year of its independence, it is indeed a matter of great pride for the Institute that the Institute is expanding its frontiers of study to research areas such as IoT, Block chain Technology, Artificial Intelligence, Big data analytics to name a few. Even while contributing to the knowledge base to the above, impetus is also given to mould the younger generations to loftier ideals, as envisaged in the National Education Policy 2020 (NEP 2020). Renewed efforts are being made to tailor the curriculum of the programmes being offered, so as to "build character, enable learners to be ethical, rational, compassionate, and caring, while at the same time prepare them for gainful, fulfilling employment" (NEP 2020). In this context, the establishment of the various multidisciplinary centres is expected to give a renewed thrust in the progress of our Institute towards the achievement of the objectives envisaged in the NEP 2020 and National Innovation Startup Policy 2019.

It is a matter of great pride that this brochure highlights the remarkable milestones made by the Institute in its journey since inception and gives an overview of the administration, departments and facilities available in the Institute. It is hoped that the Institute, with the wholehearted support from the students, faculty, staff and alumni, will raise its stature to a level envisaged by the Vision statement viz., "International standing of the highest calibre".

Dr Sathidevi P S
Deputy Director

March 09, 2022

Preamble

Many transformations in academic institutions become imperative for embracing the changes that happen by the rule of the nature and also for absorbing the results of the pursuits of the humanity in the areas of knowledge and skill. The case of converting the premier Regional Engineering Colleges (RECs) to the new brand of institutions of national importance was with such a purpose. The enactment of the NIT Act in 2007 has fuelled the growth of the new line of institutions of national importance named as National Institutes of Technology (NITs) and are being built to improve the social equity in high quality education in science, technology, engineering and management. The primary purpose of national integration envisaged for the RECs has been upheld in the formation of NITs too, but a new focus of research was added to the mandate.

Originally established in 1961 as a Regional Engineering College (REC), National Institute of Technology Calicut has begun its triumphant journey with a new spirit in 2002, with the new name and a fresh mandate. This had helped the institute in broadening the spectrum of services to the humanity; Institute now offers Bachelors, Masters and Doctoral degree programmes in Engineering, Science, Technology and Management.

The region of Malabar that hosts the Institute is the northern part of the State of Kerala and is a destination for ecotourism. The region is fast developing and is vibrant in all spheres of human life; there is no smoke and choke of heavy industries. Local business, small scale industries and the overseas jobs of the local population combined with the revolutionary practices of land reforms have resulted in a uniform distribution of development across the region. Perhaps, the entire State of Kerala has the advantage of these enabling factors. This development has helped in removing the disparities between city and the rural region. The threat of global warming could not yet steal the natural beauty of the landscape. Anyone can enjoy this from the pinnacles of the hills that mark the undulating topography. Malabar is historically known for the spices and the trading with the Middle East. As an institution of higher education and research, NIT Calicut cannot alienate itself from this growth pattern but has taken the lead in the regional development through many proactive measures as a friend, philosopher and guide. Faculty is posed with many challenges because of the princely treatment the institution gets from the public. So, the infrastructure for testing, research and development is undergoing continuous improvement.

Redefining the goals and putting thrust on socially relevant subjects has enabled the Institute to produce ready-to-employ graduates and the value added research outputs with sustained quality and excellence. Notwithstanding the challenges that get opened up in terms resource crunch, lukewarm industrial supports, the institute is marching ahead and has marked its position as the 23rd one among technical institutions and third in the area of architecture in the year 2020. Campus is catering to the 6500 strong student population with a variety of services and state of the art education. Our roadmap is to reach the top and work with the best in the class institutions that are globally well known. We believe that *excellence* is a *journey* and not a *destination*.

Institute is indebted to the Government of India, Ministry of Education, Kerala State Government, the local administration, industries, funding agencies, alumni and all other stake holders for the grand support in its march towards excellence.

Milestones crossed...

1961 Established as Calicut Regional Engineering College (CREC) with three Undergraduate Programmes (Civil, Mechanical and Electrical Engineering disciplines) under affiliation to the University of Kerala

1969 Affiliation shifted to the University of Calicut

1971 Started three Postgraduate Programmes - Structural Engineering (Civil), Instrumentation and Control (Electrical) and Refrigeration and Air Conditioning (Mechanical)

1980 Started Bachelors Programme in Electronics & Communication Engineering under the Department of Electrical Engineering

1984 Started Postgraduate Programme in Industrial Engineering and Management under the Department of Mechanical Engineering. Started Undergraduate Programme in Production Engineering and Management under the Department of Mechanical Engineering

1985 Started Undergraduate Programmes in Architectural Engineering, Computer Science and Engineering and Postgraduate Programmes in Traffic and Transportation (Civil) and Energetics (Electrical)

1986 Institute celebrated the Silver Jubilee year. Formed the Silver Jubilee Endowment Trust for helping needy students (1986-1987)

1986 University of Calicut recognizes Civil and Electrical Engineering Departments as authorized research centres

1987 Started Postgraduate Programme in Power Electronics (Electrical) and Offshore Structures (Civil)

1988 Started the Master of Computer Application (MCA) Programme under the Department of Electrical Engineering

1989 Started three Postgraduate Programmes (Thermal Sciences, Manufacturing Technology, Industrial Engineering and Management) under the Department of Mechanical Engineering

1994 Started Postgraduate Programme in Digital Systems and Communication under the Department of Electrical Engineering

1997 First round of NBA Accreditation conducted

1997 Department of Electrical Engineering got trifurcated into Departments of Electrical Engineering, Electronics and Communication Engineering and

Computer Science and Engineering

1998 Started Postgraduate Programme in Computer Science and Engineering under the Department of Computer Science and Engineering

1999 Department of Architecture formed and a 5-year Bachelor of Architecture Programme started

2001 Started Postgraduate Programme in Electronics Design and Technology under the Department of Electronics and Communication

2001 Accorded lead Institution status for the World Bank funded Technical Education Quality Improvement Programme (TEQIP-I)

2002 Elevated to National Institute of Technology Calicut (NITC) and conferred the status of a deemed university

2004 The first annual convocation of NITC held on 17th of November, 2004

2004 Technology Business Incubator started with funding from Department of Science and Technology, Government of India

2006 Formed the Department of Chemical Engineering and started B.Tech. Programme in Chemical Engineering. Started five Postgraduate Programmes in Mathematics and Scientific Computing (Mathematics), Computer Controlled Industrial Power (Electrical), Environmental Geotechnology (Civil), Microelectronics and VLSI Technology (Electronics) and Information Security (Computer Science)

2007 Transformed to an Institution of National Importance under the National Institutes of Technology (NIT) Act, on August 15, 2007

2008 Started B.Tech. Programme in Biotechnology. Started Postgraduate Programme- (M.Sc. (Tech.)) in Photonics, Polymer Science and Technology (Science and Humanities), M.Tech. in Nanotechnology (Mechanical), Telecommunication, Signal Processing (Electronics) and PG Diploma Programme in Construction Management (Civil)

2009 Departments of Physics and Chemistry created from Department of Science and Humanities. Also, Schools of Biotechnology, Management Sciences and Nano Science and Technology established. Postgraduate Programme in Business Administration (MBA) started

2010 Institute celebrated the Golden Jubilee year (2010-2011)

2012 Postgraduate Programmes (M.Sc.) in Chemistry, Mathematics and Physics started

2014 Started three M.Tech. Programmes (i) Water Resources Engineering under the Department of Civil Engineering, (ii) High Voltage Engineering under Department of Electrical Engineering (iii) Machine Design under Department of Mechanical Engineering

2015 Started the M.Plan. Programme under the Department of Architecture and Planning, and M.Tech Programme in Chemical Engineering under the Department of Chemical Engineering

2016 Secured a rank of 34 in the First round of assessment under National Institutional Ranking Framework (NIRF) for Engineering institutions

2017 Institute's NIRF Rank - 42

2018 Institute's NIRF Rank - 50

2019 Institute's NIRF Ranking improved-Engineering: 28 & Architecture: 3

2019 Renamed the School of Nano Science and Technology as School of Materials Science and Engineering. Started the 4 Year B.Tech Programme in Materials Science and Engineering under the School of Materials Science and Engineering.

2020 Institute's NIRF Ranking improved further-Engineering: 23 & Architecture: 3

2020 Secured All India 8th rank in the 'Atal Ranking of Institutions on Innovation Achievements (ARIAA).

2021 Institute's NIRF Ranking - Engineering: 25 and NIRF Ranking of Architecture improved to Second from Third position. Institute ranked 9th in the 'Atal Ranking of Institutions on Innovation Achievements (ARIAA).

2021 Inaugurated 1500 seated Mega Hostel-II for boys.

2022 Institute celebrating its Diamond Jubilee (1961-2022).

Administration and Management

NIT Calicut is a fully centrally funded, academically autonomous institute of national importance and is governed by the NIT Act 2007. Hierarchically, President of India is the Visitor to the Institute under the Act. The governance structure contains the national Council for NITs as the apex policy making body, while the Institute's governance is vested with the Board of Governors. Institute's Senate is the authority in academic matters. Chairman of Board of Governors is appointed by the Visitor. The broad based governance and administrative system given under the NIT Act and First Statutes of NITs 2009 ensures participative decision making and assures accountability.

The Director is the executive head of the institute. He is appointed by the Ministry of Human Resource Development (MHRD) for a period of five years. Director is a Member in the Board of Governors and the NIT Council and is also the Chairman of the Senate. The management roles of the Institute are looked after by the Deans (Academic, Planning and Development, Faculty Welfare, Research and Consultancy, Student Welfare, Alumni Affairs and International Relations) and the Heads of the Departments and Schools. Administration wing consists of the Registrar, the Deputy Registrars, Assistant Registrars, other Officers and the Ministerial staff. Executive wing and Maintence wing is consisting of the engineering unit, electrical maintenance unit, water distribution unit, security and sanitation units.

Constitution of the Senate is prescribed by the NIT Act and members are drawn from the faculty of the Institute as well as from outside. Senate is responsible for the academic administration, including introduction and maintenance of academic courses. Subordinate to the Senate, there is a Board of Academic Council (BOAC) headed by the Dean (Academic) and is playing the link role between the Senate and the departments to make appropriate recommendations to the Senate. The student Hostels are administered by the Chief Warden, with the help of a council of Wardens and the Hostel and Mess Committee. Student activities are planned and managed by the elected body of Student Affairs Council, which is overseen by the Dean (Students Welfare) and other faculty coordinators. Central Computing facility, campus Networking facility, Central Instrumentation facility and the Library provide the backbone support for academics and research. Technology Business Incubator is playing the pivotal role in social outreach and the promotion of the startup ecosystem. There are facilities like Innovation and Entrepreneurship Development Centre, Centre for Transportation Research, Design Innovation Centre, Centre for Materials Characterization, Centre for Computational Modeling and Simulation, IPR Cell, etc. to provide the support for R&D with thrust on innovations.

Academics at NITC

The Institute follows the latest trends in the globally accepted outcome-based education framework for all academic programmes. Under this, the performance of the students will be assessed by using the tools and techniques of both continuous and summative evaluations, with more or less equal footing on both. Best practices worldwide are examined and adopted when the curriculum is formulated, and the periodical revisions are attempted. All programmes and courses have been designed to provide a balanced blend of the basics of science and technology and the advanced theory and practices of the respective fields or disciplines. Industrial internships and project work facilitate exposure to the methods and practices. This helps the students to grow with strong ethical foundations. Currently, Institute is offering 11 Undergraduate and 30 postgraduate programmes. Besides these, all Departments have their research programmes leading to PhD. Degrees. Institute follows a 10-point scale for grading the performance in the UG and PG courses. Along with this, excellence in studies is recognized through the classifications of First Class with Distinction, First Class & Second Class and the gold medals instituted by NITC, PTA, alumni, well-wishers and industry to commemorate the toppers. The Dean (Academic) oversees the smooth conduct of all the academic programmes.

Academic Programmes are offered by the Departments and the Schools viz.

- Department of Architecture and Planning
- Department of Chemical Engineering
- Department of Chemistry
- Department of Civil Engineering
- Department of Computer Science and Engineering
- Department of Electrical Engineering
- Department of Electronics and Communication Engineering
- Department of Mathematics
- Department of Mechanical Engineering
- Department of Physics
- School of Bio-Technology
- School of Management Studies
- School of Materials Science and Engineering

An overview of Academic Programmes at NITC

UNDERGRADUATE PROGRAMMES

Bachelor of Architecture (B.Arch.) (5 years)

Bachelor of Technology (B.Tech.) (4 years)
Biotechnology
Chemical Engineering
Civil Engineering
Computer Science and Engineering
Electrical and Electronics Engineering
Electronics and Communication Engineering
Engineering Physics
Mechanical Engineering
Production Engineering
Materials Science and Engineering

POSTGRADUATE PROGRAMMES

Master of Planning (M.Plan.) (2years)

Department of Architecture and Planning
Master of Planning (Urban Planning)

Master of Technology (M.Tech.) (2years)

Department of Chemical Engineering
Chemical Engineering

Department of Civil Engineering
Environmental Geotechnology
Offshore Structures
Structural Engineering
Traffic and Transportation Planning
Water Resources Engineering

Department of Computer Science and Engineering
Computer Science and Engineering
Computer Science and Engineering (Information Security)

Department of Electrical Engineering
High Voltage Engineering
Industrial Power and Automation
Instrumentation and Control Systems
Power Electronics
Power Systems

Department of Electronics and Communication Engineering
Electronics Design and Technology
Micro Electronics and VLSI Design
Signal Processing
Telecommunication

Department of Mechanical Engineering
Energy Management
Industrial Engineering and Management
Machine Design
Manufacturing Technology
Materials Science and Technology
Thermal Sciences

School of Materials Science and Engineering
Nanotechnology

Master of Business Administration (MBA) - 2 years
School of Management Studies

Master of Science (M. Sc.) - 2 years

Department of Chemistry
Master of Science (Chemistry)

Department of Mathematics
Master of Science (Mathematics)

Department of Physics
Master of Science (Physics)

ADMISSION TO NITC

There is a good mix of national and international students on the campus. The undergraduates of NITC are admitted based on JEE (Main) rank. NITC turns out to be a top destination for the higher rank holders of JEE (Main). Students are also admitted through DASA, SII (Foreign Nationals and NRI students), MEA (Welfare) and ICCR scholarship (Foreign Nationals) schemes. The postgraduate students are admitted through centralised counselling by CCMT to M.Tech. Programmes on the basis of GATE scores and by CCMN to M.Sc. programmes based on JAM scores. Admission to MBA programmes is on the basis of CAT score. The current student intake per year is 2466 (1405 UG, 761 PG, 300PhD). In addition to this, the institute has recently started admitting a maximum of 160 students for M. Tech, M. Plan. and MSc programmes under the self-sponsored scheme. Currently, the campus has over 6500 students, out of which 725 are doctoral students. The girls constitute roughly 27% of the total students on rolls.

DOCTORAL PROGRAMMES

Doctoral Programmes are offered in all Departments and Schools.Admissions to the Ph.D. programme of the institute are carried out in the following schemes: Scheme I -Full-time registration with Institute Fellowship or other Govt. Fellowships like CSIR-UGC JRF/KSCSTE/INSPIRE/Visvesvaraya scheme etc; Scheme II- Full-time registration under the Self-Sponsored category; Scheme III-Full-time registration for candidates sponsored from Industry or other organizations including Educational Institutions; Scheme IV-Internal Registration for regular staff employed at NITC/ Research staff employed in funded projects at NITC and Scheme V- External (Part-time) Registration for candidates from Industry or other organizations including Educational Institutions. A total of 300 seats are allocated per year for scheme I and II together.The PhD scholars are selected on a merit basis depending

on scores in GATE / NET / JEST/ NBHM, along with written tests and interviews conducted by the Institute.

TESTING AND CONSULTANCY

Testing and consultancy activities had been undertaken from the early days of the commencement of the Institute and have expanded due to the availability of multi-disciplinary knowledge, high-end test facilities and public appeal. The Department of Civil Engineering has earned a high reputation for offering consultancy and testing services in structural engineering, geotechnology, environmental engineering, transportation engineering, etc. The state-of-the-art equipment/facilities with various Departments help in the testing and characterization of materials from nano to bulk level for multiple applications. Community outreach through consultancy in environment management, town planning, structural design, transportation planning, architectural design, landscape architecture, heritage management, building information modelling, geographical information system applications, nanotechnology, product development, EV motor controllers, Electrical systems, chemical processes, medical electronics, biomedical engineering, business and supply chain management, etc., are regularly undertaken.

Apart from the public and independent industries, organizations like the Airport Authority of India; State and Central PWD; KSEB; Kerala Engineering Research Institute; MECON Ltd.; TATA-ELXSI; and Indian Railways are also regular clients. A notable consultancy project is in the area of 5G and Wi-Fi 6G using wireline links which is with USA-based PhyTunes Inc. The Office of the Dean (Research and Consultancy) facilitates and coordinates the Institute's research and development activities. Institute has ambitious plans to strengthen further the revenue generated through testing and consultancy in the coming years.

RESEARCH AND DEVELOPMENT

The blend of multi-disciplinary knowledge and academic freedom permits academic institutions to undertake high-quality research activities with and without time targets. Such institutes contribute significantly towards the country's economic growth, and NITC is one such institute. At NITC, Intramural and externally funded projects are the major driving forces for research and development. Initiatives taken by the faculty have resulted in securing funding from many major Governmental agencies like the Department of Science and Technology; Department of Bio-Technology; Council of Scientific and Industrial Research; Ministry of Human Resources Development; Board of Research in Nuclear Sciences; Indian Council for Social Sciences Research; Kerala State Council for Science, Technology & Environment; Defence Research and Development Organization; UGC; Higher Education Funding Agency-Corporate Social Responsibility; Kerala State Pollution Control Board; Kerala Highway Research Institute; ISRO; and so on. Industrial clientele like Hindustan Petroleum Corporation Limited, TATA Steel, National Thermal Power Corporation, Robert Bosch, C-Electric Pvt. Ltd., etc. have also been proactively supporting R&D.

Further collaborations with foreign universities/institutions like British academy, UK; Oxford Brookes University, UK; Norwegian University of Science & Technology (NTNU), Norway; University of Koblenz-Landau, Germany; etc. enhance research and development ambience of the institute. Another contributing factor to the development of research ecosystem in the institute is various fellowships awarded by different agencies like DST-INSPIRE research and faculty fellowships, Ramanujan fellowships; DST-Power fellowships; Visvesvaraya PhD fellowships; National Post-Doctoral Fellowship; Chief Ministers NavaKerala Postdoctoral (CMNP) Fellowship by the Kerala Higher Education Council (KSHEC); etc.

Dean(R&C) oversees and coordinates the works in enabling the faculty in R&D. Compilation, dissemination of scientific and technical information, etc., are also looked after by Dean(R&C). Research infrastructure is getting strengthened by the recent addition of high-end equipment like Transmission Electron Microscope, Nuclear Magnetic Resonance Spectrometer, Confocal Raman Spectrometer, X-Ray Diffractometer, High-Performance Computing facility, Optical Profiler, Nano-indenter and so on, using the funding made available through the Technical Education Quality Improvement Programme (TEQIP), the Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions (FIST) Program, and the Higher Education Financing Agency (HEFA). There has recently been a quantum leap in R&D, leading to a significant rise in publications, patents and copyrights from industries and R&D organizations.

CENTRE FOR INDUSTRY INSTITUTIONAL RELATIONS (CIIR)

Major Activities of CIIR are Collaboration /MoUs with Industries, User Oriented Programs (Tailor made programs), Adjunct Faculty Appointments, Industry Internships, CoEs, Industry Sponsored Labs, Joint Conferences, Networking with Industry Associations (FICCI,CII, ASSOCHAM, Chamber of Commerce, etc.). Institute is a member of the Confederation of Indian Industry (CII) and actively involved in such industry programs. NITC has signed several MoUs with industries, medical institutions, government organisations, etc., and which has yielded good responses The various schemes available to strengthen the collaborations are Visting faculty, Adjunct faculty, Professor of Practice and Co-teaching. Special track is introduced in the PG and PhD programs to attract practicing engineers/professionals. Various interdisciplinary programs, short term courses, etc. are also available.

TECHNOLOGY BUSINESS INCUBATOR

Institute has set up the Technology Business Incubator (TBI-NITC) in 2003-04 with the support of National Science and Technology Entrepreneurship Development Board (NSTEDB) of the Department of Science and Technology, Govt. of India to incubate startup industries. From that time onwards, a number of startups were incubated and made them graduate as profitable companies and businesses. Management of the TBI is through a charitable society registered under the Societies Registration Act XXI of 1860. Even though the focus of TBI was Information Technology and Electronics, a second unit of TBI sanctioned under the Startup India Mission 2016 has added new portfolios for incubation in the areas of agriculture, nanotechnology, biotechnology, and renewable energy. Out of the 77 startups registered with TBI, 52 have graduated after the due incubation period of 3 years. Approximately 800 people are currently employed by these graduated companies and some of them have their offices abroad and client base include foreign companies and institutions. Further to the funding from from NSTEDB, TBI has associated with Ministry of Micro Small and Medium Enterprises, Ministry of Information and Communication Technology and the Technology Development Board to widen the scope of funding to promote entrepreneurship. The TBI NITC is open to all the entrepreneurs.

TBI offers workspace with essential facilities at an affordable cost to the startup companies to begin with and the intial seed fund is also given. The main advantage for the startups in TBI is the availability of the technical expertise in the Institute. Many of the faculty, staff and students are extending support to the incubating companies of TBI, apart from the mentors from industry and other government departments. The companies can use the laboratory facilities of the Institute also for their product development. A dedicated Fab Lab facility is being set up for the

use of innovators. TBI also provides financial assistance to the companies which require fund for their operations. 25 companies have availed the seed funding scheme of TBI ranging from 2 lakhs to 45 lakhs. As a policy the TBI supports more product based startups as they will have difficulty in meeting the initial product development expenses unlike the IT/ITeS companies. The selection of startup for incubation is based on the technical feasibility of the proposed product, financial viability of the venture, market potential of the product and background of the entrepreneurs.

Recently, TBI has started the NIDHI-PRAYAS scheme for supporting selected innovators giving grant up to Rupees 10 lakhs for prototype development and 12 innovators have been selected last year under this scheme. Student innovators of the Institute are also mentored by TBI to participate in various innovation and business idea competitions apart from guiding them to materialize their dream of becoming an entrepreneur. Innovation and Entrepreneurship Development Cell (IEDC) supported by Kerala Start Up Mission and Institute Innovation Council (IIC) established by MHRD are working along with TBI to promote student innovations.

Apart from these, TBI conducts Entrepreneurship development programmes, including a special programme for women entrepreneurs, every year with major funding from the MSME EDI. TBI has given training to almost 800 people including 200 women. TBI has been conducting these programmes regularly for the past 10 years. It also conducts faculty development programmes every year for enabling the academic institutions in Entrepreneurship and for making the faculty equipped to support the entrepreneurship related activities in their institutions. TBI has successfully completed a project of the Coir Board of India where the objective was to develop a coir cluster and coir production units in the Kozhikode district to enhance the quality and productivity. Approximately 500 coir workers got benefited from this project.

PHYSICAL EDUCATION

Institute gives due importance for extracurricular activities both through formal and non-formal mechanisms. Students enjoy the benefits of facilities like flood lit clay courts for lawn tennis, concrete topped floodlit basketball court, floodlit volley ball court, multipurpose indoor court for badminton and table tennis, chess hall etc. The students also have access to a 25 station gymnasium, playfields for football, cricket and hockey, cricket net practising zone and pitch, etc. and a swimming pool. There is also one exclusive fitness centre attached to Ladies' Hostel having a gymnasium, badminton court and a table tennis room. The major attraction of the campus is the voluntary participation by the students in the sports events. Regular practice is taken up for every major game, under the expert guidance and supervision of the coaches hired for that purpose. The teams are trained for participation in various levels of tournaments, namely District, State, Invitation, Inter-university, Inter-NIT and so on. All these activities could help in going a long way in attaining the objective of "Total Fitness in the Campus". In the undergraduate curriculum, there is a credit programme, which is seen to inculcate 'fitness awareness' among students and has resulted in enhancing the student participation.

CENTRE FOR CAREER DEVELOPMENT (CCD)

The Centre for Career Development was formed in 1988, with an aim to interact with the corporate for possible employment to the students graduating from the Institute. The Centre for Career Development also explores the possibilities for summer training and internship for the students of the Institute. National Institute of

Technology Calicut has maintained a good placement record over the years. The graduates and post graduates of NITC have been selected by some of the world's leading business corporations. The highly dedicated faculty, coupled with world class infrastructure facilities, prepares the meritorious students to take up the challenges of the rapidly growing globalised techno-economic scenario in the country. The activities of the Centre for Career Development are coordinated by the team comprising Chairperson, Vice-Chairperson (Placements), Vice-Chairperson (Internships) and Vice-Chairperson (Training). Student and Faculty representatives from each department give the necessary support for the smooth functioning of the Centre. Moreover, the placement representatives play a vital role in the day-to-day conduct of the recruitment / internship drives. The office is ably assisted by Technical Assistants and Office Assistants.

EDUCATION TECHNOLOGY AND LIBRARY

Education Technology & Library (ETL) consists of Central Library and Digital Library. The Central Library of NIT Calicut is one of the best technical libraries in South India. It came into being with the establishment of the college in 1961. Central Library is having a floor of 11340 m2. It has a very good collection of more than 1.33 lakh technical/scientific books. Central Library offers services to more than 9,000 users comprising of undergraduate and postgraduate students, research scholars, faculty, and employees from various Departments/Centres/Sections. The services of the Central Library are fully automated using KOHA, and the entire collection is accessible through out the campus. The library management software, along with the existing campus-wide intranet, imparts the following features:

- Automated front-desk operations.
- Campus-wide online access, and catalogue access.
- RFID-based automated collection/bar-coded user identification.

Central Library subscribes to reputed International Journals and Indian Journals in online and print forms. The Digital Library, 'NALANDA' provides online access to more than 63,000 E-resourcesin various Engineering and Science disciplines. NALANDA hosts many electronic databases on its servers. As a member of the Shodh Sindhu Consortium under the Ministry of Human Resource Development, GOI, NALANDA promotes the use of e-journals and e-books for advanced research and learning in Engineering and Science Education. Major online resources are journal/magazine/ conference records/standards of IEE, IEEE, Springer, ASME, ASCE, and ACMDigital Library core packages. Online access to study materials is available through a local copy of NPTEL. Resources like CMIE, ACE Analyzer, Eikon, Grammarly, Knimbus, Emerald, J Gate, Scopus,and Web of Science are available to the NITC community through the digital library. Library also subscribes to a plagiar is mchecker-Turnitin. The digital library is developing the NITC resources by

collecting and indexing the students' project reports/theses through an ETD run with DSpace, which also houses the national and international standards. Eduserver - running in the DigitalLibrary - hosts the Moodle platform for online course management. E-books from Wiley, Springer, and Pearson are also made available. The Digital Library reading room, housing about 50 computer terminals, provides exclusive access to online resources. All resources are available throughout the campus from http://www.library.nitc.ac.in. There is a separate section for SC/ST students, funded by the Institute as well as Kerala State Govt. Scheduled Caste Welfare Department. A study room is functional for the Institute's user community. Here users are permitted to bring their personal books, laptops, and other study materials forself-study. The Central Library also houses a Reprographic section which consists of a Graphic Studio, Offset press, and a Binding Section. These sections cater to the related needs of the Institute.

Working Hours:

The central library will remain open from 09:00 am to midnight (00:00 am) every day except Sunday. The working hours of the Study Room are from 9:00 am to 00:00 am on all days

CENTRAL COMPUTER CENTRE

Central Computer Centre (CCC) is another central facility of the Institute, which caters to the computing requirements of the campus community. The Centre has state-of-the-art infrastructure with three fully operational terminal rooms spanning over two floors. CCC hosts some of the high end servers and a parallel computing cluster machine. Servers include one Lenovo Think System SR650 GPU server (V100 GPU card), four DELL PowerEdge T620 and HP ProLiant Rack servers. A state of the art Super Computing Facility with 25 Teraflops computing power meet the research needs of the institute. This Hybrid cluster contains 1 master node and 13 compute nodes (out of which 6 nodes are GPU enabled) are interconnected through *infiniband*. A much larger HPC system, with 33 nodes including two GPU nodes is being set up to meet the rising demand for HPC by researchers. This system, with a Parallel File System (PFS) and 100 Gbps *infiniband interconnect*, will have a computing power of 133 Tera Flops. The HPC capabilities of this facility is also enhanced by the addition of a standalone NVIDIA Deep Learning Box which has multiple GPUs to use them for AI analytics. The facility shall be accessible by all the departments and schools from anywhere in the campus through the network. The centre also possesses a bundle of software, packages for diversified applications. Centre is fully air-conditioned and has UPS power backup for the whole setup which will enable change over to captive power generators of the Institute when the utility supply fails. The Centre works 16 hours a day (7am – 12am) 7 days a week except national holidays unless instructed otherwise. Development and maintenance unit of the Decision Support System (DSS) of the institute is also housed in the Computer Centre.

CAMPUS NETWORKING CENTRE

The CNC provides networking, software, and hardware support to the entire NIT Calicut community. The CNC manages 5 Gbps Internet connectivity in the campus via wired/wireless connectivity to all important academic and residential areas.The Centre is equipped with Firewall, Authentication Server, Log Analyser, Routers, Core Distribution switches, Domain Name Servers, Web Servers, Proxy Servers, Antivirus central server, IP Phone Server etc. The extensive fibre optic network across the campus provides the backbone. The present campus network comprises nearly 30 km of Fibre Optic circuit with 80+ routed internal networks managed by UTM appliances. The bridging circuits connected to the OFC backbone ensure seamless WiFi connectivity throughout the campus.

ADVANCED MANUFACTURING CENTRE

Advanced Manufacturing Centre set up in the Department of Mechanical Engineering is one of the finest facilities available in manufacturing. Major equipment available include, 5 axis CNC Coordinate Measuring Machine, 3 axis Integrated Multipurpose Micro-Machining Centre, 4 axis CNC Machining Centre, Rapid Prototyping Machine/ 3D Printers, CNC turning centres, CNC Surface Roughness Tester, Six component and Mini Cutting Tool Dynamometers. The fully fledged CAD/CAM Centre opens round the clock conducts free training programmes to NITC students. Popular CAD/ CAM software available includes: SolidWorks, Creo, Catia, Siemens Nx, MSC Adams, Mastercam, Ansys, and Abaqus. Further details are available at http://www.amc.nitc.ac.in/

DST -FIST SCHEME

Fund for improvement of Science & Technology Infrastructure in Higher Educational Institutions (FIST) is a special scheme that has been launched by the Department of Science and Technology, Government of India for selectively strengthening the infrastructure for post-graduate education and research in emerging areas. Departments of Computer Science & Engineering, Electronics & Communications Engineering, Electrical Engineering, Mechanical Engineering and Chemistry have received funding through this scheme in the recent past. The DST-FIST *Centre for Precision Measurements And Nanomechanical Testing* is one of the latest additions because of the FIST scheme. This has been set up at the cost of Rs 2.51 Crores. This centre has sophisticated facilities like 3D Profilometer, Nanoindenter, High Speed Camera, Thermal imager, etc. to help the research in design and manufacturing.

SOPHISTICATED INSTRUMENTS CENTRE

The Sophisticated Instrument Centre uses state-of-the art technology in measurements and metrology and has facilities for carrying out the measurements of industrial products. Most of the instruments like CNC Coordinate Measuring Machine (CMM), CNC surface roughness tester and measuring software have been imported from Japan with the financial assistance of the Ministry of Human Resources Development, Govt. of India. It aims to enable small industrialist to obtain certification of quality for their products at a reasonable cost. This centre also offers various training, testing and consultancy services to industries and academic institutions.

CENTRE FOR TRANSPORTATION RESEARCH

The Centre for Transportation Research (CTR) was set up in 2013 with funding from Ministry of Human Resource Development under 'Establishment of 50 centres of excellence for Training and Research in Frontier Areas of Science and Technology scheme' (FAST scheme). The total project outlay is Rs. 6 crores for a period of 6 years. The mission of the Centre for Transportation Research is to improve the quality of life in our community, region and nation through leadership and excellence in transportation research, education and outreach using all the resources and strong partnership with government and industry. The CTR carries out research, training, testing and public awareness programmes in various aspects of transportation engineering. Many programmes and research have been undertaken. The training programmes sponsored by NRRDA is a regular feature.

CENTRE FOR HOLISTIC TEACHING AND LEARNING (CHTL)

Centre for **Holistic Teaching** and **Learning**

The Centre for Holistic Teaching and Learning (CHTL) is created to facilitate a holistic approach to the teaching and learning process. The CHTL's mission is to develop an ambience of comprehensive teaching and learning through Research, Design & Development of educational/pedagogical content, Educational technology and

Collaborative Interdisciplinary teamwork. The various themes of activities that the CHTL leverages are: Helping faculty to redesign their regular lectures and assignments in an Online/Blended mode; Conducting focused in-house programs for both faculty and students to utilize the available technology resources better; Developing customized technology resources for carrying out teaching-learning practices; Developing e-learning modules that can be used by learners outside the institution (Online and Distance Learning mode); and Conduct outreach programmes for faculty and students from nearby engineering institutions; Engage in collaborations with other institutions involved in Educational Technology Research

CENTRE FOR INFORMATION TECHNOLOGY RESEARCH AND AUTOMATION (CITRA)

CITRA is a multidisciplinary research centre established in march 2022 with a focus on training, research and consultancy in the area of information technology; having the vision to elevate NIT Calicut to the smartest T- School in the country through intelligent and automated IT Enabled services in a sustainable manner for all academic, research, co-curricular and outreach activities. CITRA envisions a complete Automation of all possible activities of the Institute. The centre helps in scientific and futuristic planning and procurement of Network Infrastructure for the Campus Networking Centre and Central Computer Centre. State-of-the-art Research Infrastructure in the Area of Network and Cyber Security will be made available. It will create opportunities for students to do projects on campus-related problems and help them earn while they learn.

CITRA is also formulating Training programmes/ certificate courses and consultancy in Cyber Security, Campus Automation and related areas. CITRA will also help to identify Industry-sponsored research positions /scholarships for PhD Scholars.

CENTER FOR INTERNATIONAL RELATIONS AND FOREIGN LANGUAGES (CIRFL)

Center for International Relations and Foreign Languages (CIRFL) is established in 2022 with a vision to Mobilize, Collaborate and Transpire Global Academic Exchange. The CIRFL envisions to Secure a niche for NITC in the global educational paradigm, fostering healthy international collaboration to facilitate research and learning of global standards and supporting a vigorous international exchange of academia and scholastic talent. The objectives of the CIRFL are; Strengthen international collaboration in the Academic and Research domain, establish a mechanism for the attainment of global standards among the NITC fraternity, Mobilize International Academia Collaboration and Focus on creating world-class teaching practices & curriculum. The functions of CIRFL are; Coördinatie bi-Lateral and multilateral research and academic programmes; Facilitate MOUs with international universities & other research centres; Stimulate a constructive environment for joint research projects for faculty members and international academics; Encouraging Faculty & Student(s) exchange programmes; Organize visits of academic and scientific experts from different parts of the world; Arrange for in-house courses & programmes offered by visiting experts; Offer open-elective / short-term intensive courses in foreign languages to students and Mentor students to pursue international internships and apply for scholarships/fellowships.

CENTRE FOR CULTURAL AND ART RELATIONS (CCAR)

The Centre for Cultural and Art Relations (CCAR) was established with the primary goal of making engineering education more multidisciplinary and improving students' learning experiences through the incorporation of fine and performing arts into the curriculum, both of which are clearly aligned with the NEP2020 vision statements. The centre aims to provide holistic education with innovation and style

by combining arts and engineering, which may give our young minds a new way of seeing, perceiving, and interacting with their world, leaving an indelible impression on their senses. It aspires to be a hub of art in practice and discourse within NITC. Public event programmes, workshops, research, and pedagogy are all expected to help build a community of artistic-engineers interested in the intersections of art, culture, and technology. CCAR strives to collaborate with cultural and artistic talents at the regional, national, and international levels in order to build bridges with the community in novel and exciting ways.

CENTRE FOR INNOVATION, ENTREPRENEURSHIP & INCUBATION (CIEI)

The Centre for Innovation, Entrepreneurship & Incubation (CIEI) – is an initiative by NIT Calicut to foster innovation and entrepreneurship culture among the students, faculty and staff to enable them to transform their innovative business ideas into reality. CIEI aspires to develop individual talents, skills and personality to give each business the best possible start, thus fostering entrepreneurship at a local, national/international level. The Vision of CIEI is International standing of the highest calibre in innovation and entrepreneurship with a Mission to actively engage students, faculty and staff in innovation & entrepreneurship by creating a state-of-the-art ecosystem to solve the problems in the industry/society and the market through developing technology start-ups resulting in the regional economic development. CIEI offers unique and incentivized solutions, which will encourage students, staff and faculty to ideate and design novel solutions. CIEI will provide a supportive entrepreneurial environment that accelerates the successful development of start-up companies through an array of adequate resources and services. CIEI comprises of Institute innovation Cell (IIC), Design Innovation Centre (DIC), IPC (Institute Patent Cell) and Technology Business Incubator (TBI). Schemes like Students Innovative project funding, Institute Start up for faculty/staff/students are also implemented by the centre.

CENTRE OF EXCELLENCE IN LOGISTICS AND SUPPLY CHAIN MANAGEMENT (CoELSCM)

NIT Calicut is partnering with the National Institute of Industrial Engineering (NITIE) Mumbai, the nodal Institute, in an initiative for Capacity Building in the domain of Logistics and Supply Chain Management to support the **PM Gati Shakti Scheme**. NIT Calicut has vibrant research teams related to logistics and supply chain, transportation engineering, remote sensing, urban planning, construction management and cyber security, which makes the Institute adept at contributing to the nation building. As an ambitious initiative, NIT Calicut has recently launched a Centre of Excellence in Logistics and Supply Chain Management (CoELSCM) to contribute to the realisation of the objectives of the Gati Shakti Scheme. This Centre of Excellence is multidisciplinary and works across various research groups. It will focus on new and emerging technologies with multidisciplinary and translational research relevant to achieving PM Gati Shakti's objectives of improving the supply chain's operational efficiency and minimising the logistics costs of India. Faculty members in the domain of Industrial Engineering, Transportation Engineering, Remote Sensing and Geospatial Technology, Construction Management and Cyber Security and their research teams will be a part of this Centre. This Centre has developed 15 open/elective courses related to Logistics and Supply Chain Management for B.Tech./ M.Tech. Students.

CENTRE FOR INDIAN KNOWLEDGE SYSTEMS (CIKS)

In line with the National Education Policy 2020, NITC has established the Centre for Indian Knowledge Systems (CIKS, BharatheeyaGyana Parampara Kendram) to promote education, training and research in traditional Indian Knowledge Systems (Science, Mathematics, Economics, Astronomy, Astrology). CIKS works with a mission

to enable students, faculty and staff to engage in education and research on Indian Knowledge Systems for developing appropriate technologies/practices and products for sustainable growth. CIKS envisions empowering intellectuals with Indian Knowledge Systems to address technological challenges. CIKS is offering UG open elective courses, conducting a Certificate Course on Sanskrit under the Non-Formal Sanskrit Education scheme of Central Sanskrit University, New Delhi and also conducting invited lectures of eminent personalities to sensitise students, faculty and staff on Indian Knowledge Systems

STUDENT LIFE & HOSTELS

The students live in hostels on campus. There are, at present, 13 hostels on the campus, out of which 10 are for boys and 3 for girls. These include two Mega Hostels for boys (500 seated Mega Hostel for boys -1 & 1355 seated Mega Hostel for boys -2) and a 500 seated Mega Hostel for ladies. Messes operated through outsourcing are available in all hostels. Hostel administration is through the Chief Warden and the Council of Wardens appointed by the Director. The Hostel and Mess Committee, with student members, manage the hostels and mess halls.

Student activities are organized and managed by the Students Affairs Council (SAC), an elected student body. The activities are overseen by the Dean (Students Welfare). The SAC runs various clubs and conducts multiple technical and cultural events to bring out the extra-curricular talents of NITC students. Annual mega events of THATHVA and RAGAM attract thousands of students from institutions across the country.

A Student Guidance Cell (SGC) is also functioning on the campus, which aims to provide guidance and counselling services to students based on their specific needs. SGC helps students to function better in all domains of life - academic, social, personal and psychological. The motive behind SGC stems from the need to facilitate the growth process and maintain the students' positive well-being.

CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES FOR STUDENTS

- Cultural fest RAGAM and techno-management fest TATHVA organized by the Students Affairs Council (SAC)
- Student magazine published annually to showcase the talents of students
- Several student clubs for activities like music, debate, dance, drama, management, entrepreneurship, etc.
- Active SPICMACY Calicut chapter
- Film club arranges screening of movies in open air theatre
- National Service Scheme (NSS) for community services (4 Units)
- National Cadet Corps (NCC) : Naval Unit (1 unit)
- Inter scholastic- Home and Away- district championship, state championship, inter university tournaments, inter NIT tournaments, etc.
- Membership in professional societies like ISTE, IEEE, CSI, SSI, IIIE, SAE, ICI, ACM etc.

FINANCIAL ASSISTANCE FOR STUDENTS

The Silver Jubilee Endowment Trust (SJET) is a major source for financial support for needy students. The Parent Teacher Association (PTA) is very active and provides financial assistance to help needy students. The PTA supports professional activities by extending partial travel support for students for attending conferences and for student projects. Some amount is earmarked for extending support by providing part time jobs for the needy students. PTA has also established the system of recognizing meritorious students by providing cash awards for the toppers in all classes. Apart from SJET and PTA there are a number of endowments that have been instituted by alumni and well-wishers, with a view to extend support to especially the undergraduate students.

THE FACULTY

NITC is endowed with a rich faculty community, possessing varied Technical and Scientific expertise. Our faculty predominantly consists of Ph. D holders, involved completely in Teaching and Research. We have among our ranks faculty with adequate exposure to a multitude of best practices followed among the top institutions world over. Currently at NITC there are 312 faculty members, spread over the cadres of Professor (HAG), Professor, Associate Professor and Assistant Professor.

- Over the last few years as NIT, Institute has diversified the faculty structure widely, with expertise stretching from Molecular Biology and Genetics to Manufacturing Technology to Humanities and Social Sciences.
- Research output in the form of papers and patents are encouraged through generous incentives.
- A seed grant is given by NITC to faculty to kick start their research work.
- Faculty are encouraged to send proposals for funding of research projects through various Government funding agencies like DST-SERB, ICMR, ICSSR, DRDO, DBT, CSIR, NBHM, MHRD, BRNS, KSCSTE etc.
- Portion of the project overhead is given to the investigators for professional development.
- Faculty at NITC has a healthy relationship with Industry through con**s**ultancy projects undertaken.
- Faculty has the freedom to propose and conduct courses and design programmes, with adequate discussions amongst peers.

FACULTY RECRUITMENT

The institute has been endeavouring to fill the faculty vacancies by conducting regular recruitment interviews, ensuring selection of candidates with outstanding merit. Significant numbers of Ph.Ds and Post-Docs from various universities abroad have also joined the institute, leading to the trend of “brain-gain” in the recent times. The institute at present offers regular appointment only to Ph.D. degree holders.

NON TEACHING STAFF

Supporting staff is an indispensible ingredient of any academic Institution. NITC has a reasonably large contingent of dedicated non-teaching staff, with whose efforts various administrative, laboratory, maintenance and estate units function smoothly. Presently, about 97 staff members in the regular cadre are involved in supporting the academic activities of the Institute. They are employed as administrative staff, laboratory technicians and skilled workers and support staff.

MAJOR FACILITIES FOR STUDENTS AND FACULTY

- Health Centre
- Institute Guest House
- Canteens
- Post Office
- State Bank of India Branch
- ATM of SBI, PNB
- Day Care Centre
- Engineering Unit
- Language Lab
- Faculty and Staff Quarters and Apartments
- Recreation- Open Air Theatre, Auditorium, Faculty and Staff Club
- Nursery School
- Spring Valley School (CBSE) - Std 1 to 12
- Government Higher Secondary and Vocational Higher Secondary School
- Reprographic Facilities
- Cafeteria

ALUMNI ACTIVITIES

NITC has vibrant Alumni of over 25,000. All of them are part of the NITC Alumni Association (NITCCAA) They get back to their Alma mater on every occasion. The Institute is very proud of its former students now occupying key positions in the country and outside.

- CREC/NITC alumni are currently occupying eminent positions in academia, research organisations and leading industrial sectors in India and abroad.
- In 2018, a new association got registered as National Institute of Technology Calicut Alumni Association (NITCCAA) (under Societies Act XXI of 1860) with all alumni of REC/NITCAA being members. This Association has absorbed all members of the former RECCAA into its fold.
- Alumni chapters are spread in USA, Singapore, Mumbai, Bangalore, Chennai, Cochin and in many other parts of India and abroad.
- SEWA - charitable society started by the 1978 batch, sponsors several activities for the society and to the students of NITC.
- World NITCAA Meet (WNM) is being conducted biannually.
- Silver Jubilee and Golden Jubilee meet of pass out batches is conducted every year in the campus since 1986 and 2011 respectively.
- NITCAA executed projects like the Creative Zone, Maitri, etc. for contributing back to the institute. NITCAA and 1997 Batch contributed 350 laptops for the needy students of NITC towards attending online classes during COVID19. NITCAA is coordinating projects like Amphitheatre, IoT lab, etc. at NITC.
- North America NITC Alumni association is coordinating the NITC Alumni Mentoring Program (NITCAMP) for providing academic and career guidance to current students of NITC.
- Distinguished alumni visit the campus and interact with students under the Distinguished Alumni Lecture Series.

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME

Institute is the recipient of the World Bank assisted programme of Government of India called the Technical Education Quality Improvement Programme, through which Government is giving grants for the strengthening of infrastructure and the human resources development. Total funding of roughly Rupees 41 crores have been utilized during the three phases of the TEQIP project. Major attraction of phase III was the mentoring being given to the Engineering College in Bharatpur, Rajasthan.

LOCATION OF THE CAMPUS

The campus of National Institute of Technology Calicut is located about 22 kilometres towards the north-east of Calicut (Kozhikode) city. It stretches over a length of about 1.5 km along the Calicut-Mukkam road, extending over an area of approximately 120 hectares. Campus is green and the ambience is very much enjoyable. It is a residential campus with all amenities available in and around the campus. One can reach by car from Kozhikode Airport in around 40 minutes. Railway station is 23 kilometres away. Local buses are available for commutation between campus and the main city. The picturesque view of the Western Ghats from the campus is really memorable. One can take a ride in a car to enjoy the natural beauty of the places nearby and the scenery on the banks of the gorgeous Chaliyar river. There are many tourist spots available in the neighbourhood.

Contact Us

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ANNEXURE

BOOKS WRITTEN BY MEMBERS OF THE FACULTY

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Trademarks

1. 3449078: Comet Q (Computer Software for medical purposes particularly for DNA Damage Analysis using Comet Assay Images)

About Calicut

Kozhikode or Calicut is one of the prominent trade and commerce centre in Kerala, situated towards the north part of the State. The name Calicut was given by the British who made it the capital of Malabar region. Today it is the headquarters of a district of the same name and the third most populous city in the state of Kerala. It was the capital city of the erstwhile rulers known as Zamorins for a long period. Vasco de Gama landed in AD 1498 and since then Kozhikode became an important port in the Malabar region for the trade of spices, silk and other goods. This district is famous for its lush green countryside, beaches, wildlife sanctuaries, rivers, hillocks, historical places, etc. People are very kind hearted and well educated. The economy of Kozhikode mainly depends on agriculture, fisheries and timber. People from this region are working in the Middle East and their remittance to home land keeps the local economy buoyant. It is a fast developing city, both in terms of business and industry and is a centre for the export of coconut, coffee and tea. Kozhikode also boasts of the rich tradition in arts and crafts. Best time to visit Kozhikode is September to December if someone is not keen to enjoy the pouring rains of the South-West Monsoon of the period of June to September. Kozhikode is well connected by road, rail and air. NH 17 passes through the city of Kozhikode and has a railway station, which connects the city to the rest of the country. Kozhikode International airport at Karipur is about 30 kilometers away from the city.

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