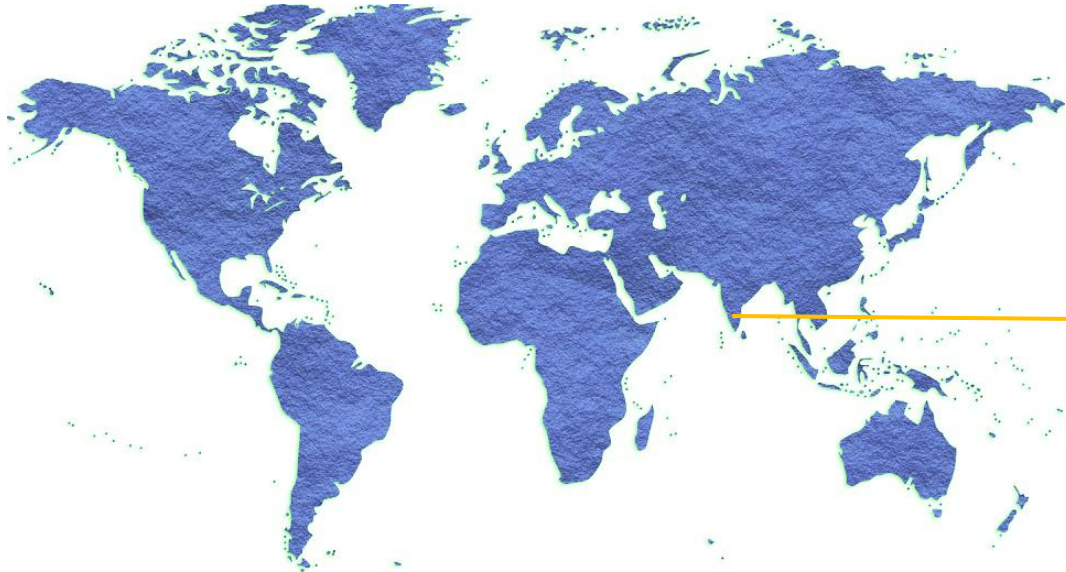


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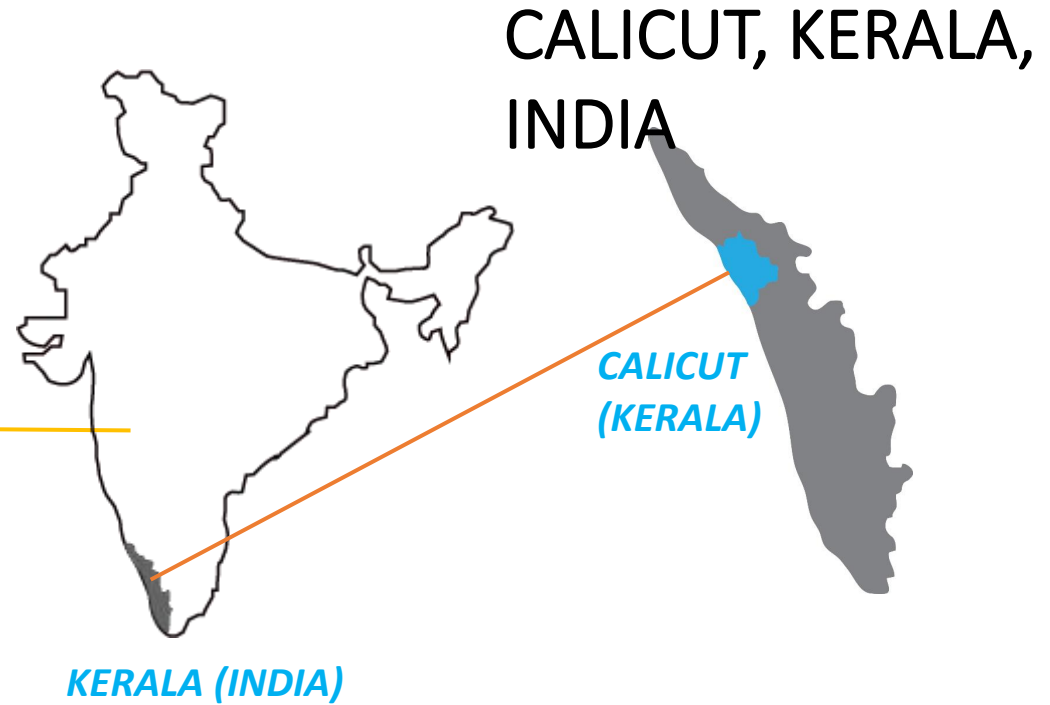
**NATIONAL
INSTITUTE OF
TECHNOLOGY
CALICUT | INDIA**



ABOUT CALICUT

Calicut, also known as Kozhikode, located in the Malabar region of Kerala State, found a place in world history with the discovery of a sea route to India in 1498 by the Portuguese navigator Vasco da Gama.

Basking in the idyllic setting of the Arabian Sea on the west and the proud peaks of the Wayanad hills on the east, Calicut is known for its serene beaches, lush green countryside, historic sites, calm backwaters, wildlife sanctuaries, rivers and waterfalls.



Calicut was given the tag of *City of Sculptures* (Shilpa Nagaram) in 2012 because of the architectural sculptures around the city. Besides, Calicut declared India's first UNESCO *City of Literature* in 2023.

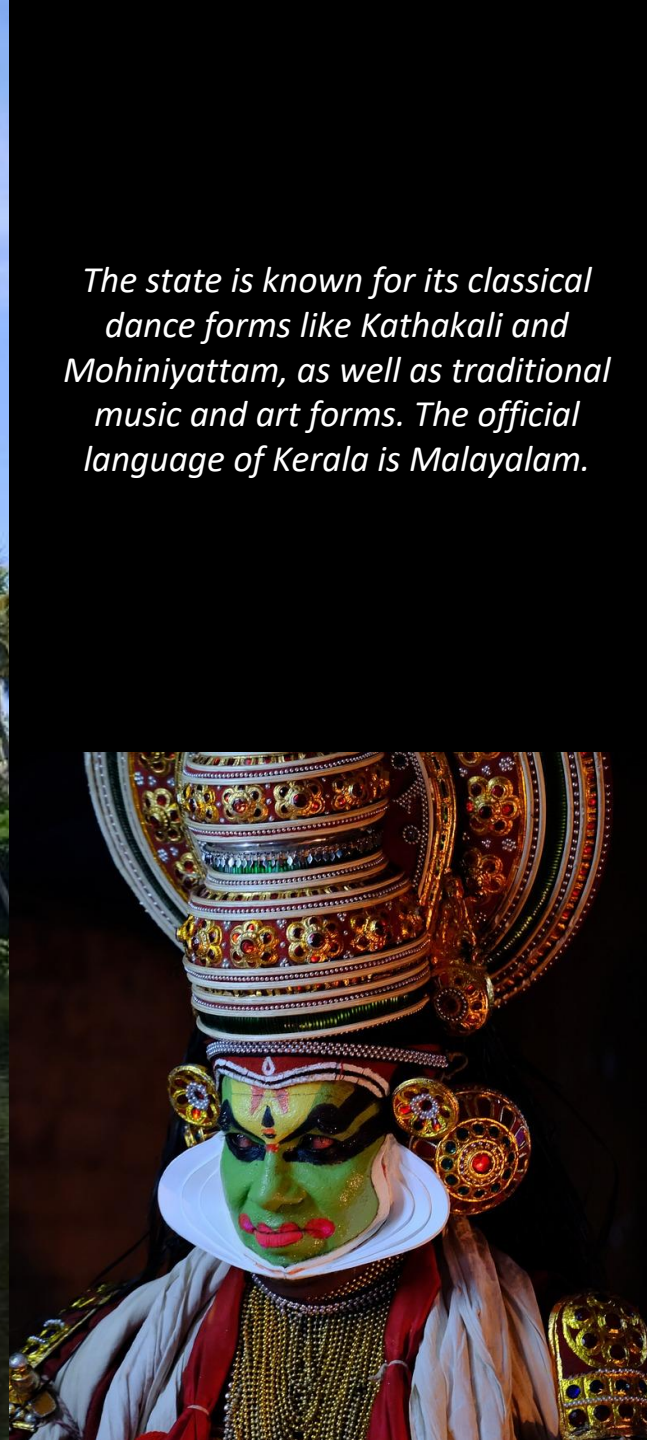
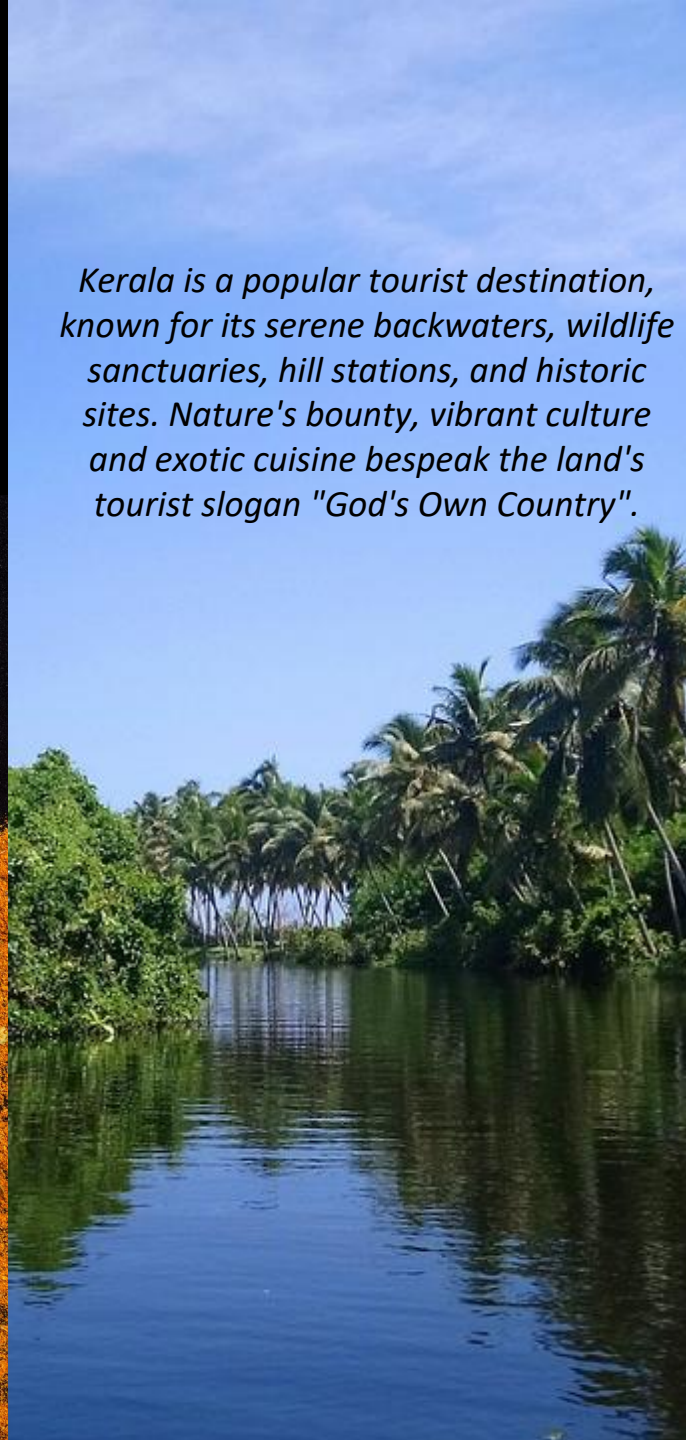
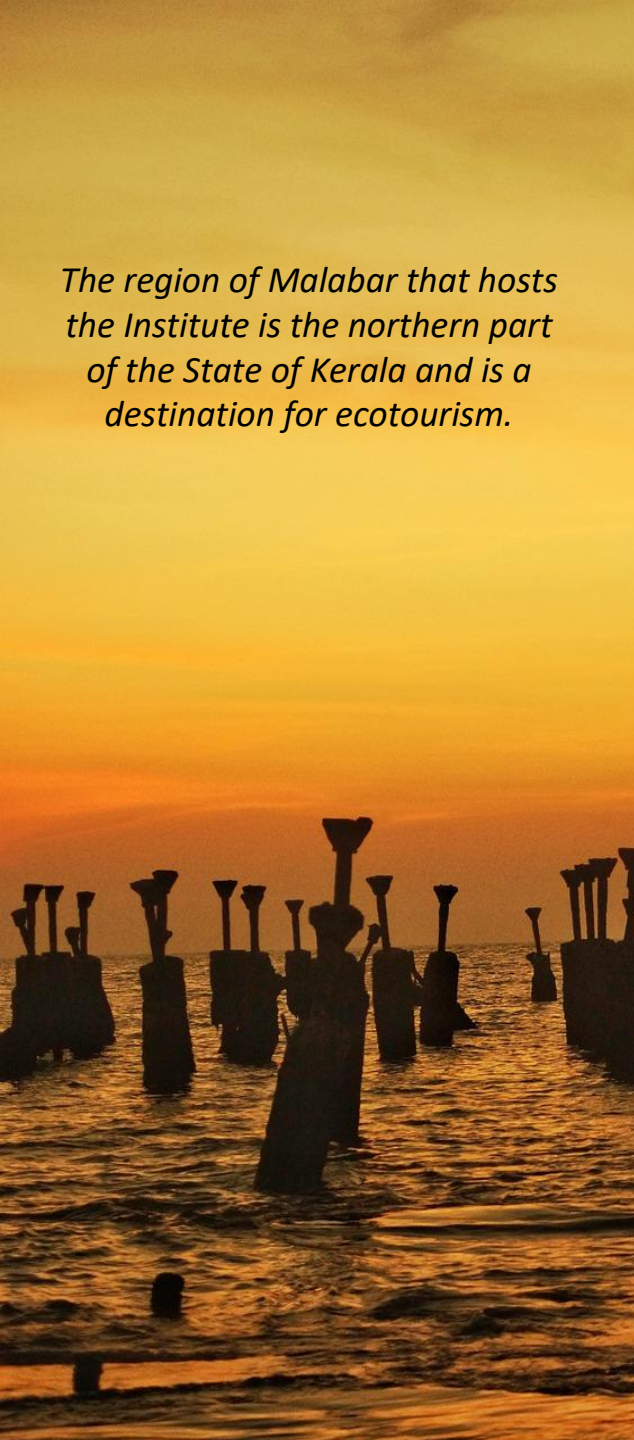
Calicut - *the city of truth*, has a population of 1.8 million and is home to premier educational/research institutions. Currently there are many IT companies running in Cyberpark and HiLITE Business Park.

The region of Malabar that hosts the Institute is the northern part of the State of Kerala and is a destination for ecotourism.

Malabar is historically known for its spices and trading with the Middle East.

Kerala is a popular tourist destination, known for its serene backwaters, wildlife sanctuaries, hill stations, and historic sites. Nature's bounty, vibrant culture and exotic cuisine bespeak the land's tourist slogan "God's Own Country".

The state is known for its classical dance forms like Kathakali and Mohiniyattam, as well as traditional music and art forms. The official language of Kerala is Malayalam.



ABOUT NIT CALICUT

VISION

International standing of the highest calibre.

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.

National Institute of Technology Calicut (NITC)

is one of the 31 institutions of national importance set up by an Act of Parliament namely the 'NITSER Act 2007', and is fully funded by the Government of India.

Originally established in 1961 as a Regional Engineering College (REC), it was transformed into a National Institute of Technology in 2002.



A GLANCE AT NIT CALICUT



- *With its proactive collaborations with a multitude of research organizations, academic institutions and industries, the institute has set a new style for its functioning under the NIT regime.*
- *Being a fully residential institution, the campus houses:*
 - Academic buildings
 - Research labs
 - Hostels
 - Residences and other amenities among its infrastructure.
- *Doctoral-level research has remarkably increased in recent times with a substantial increase in the volume of research papers and patents produced.*

INSTITUTE OVERVIEW

*The Institute offers Bachelor's, Master's and Doctoral Degree programs in programs in
Engineering | Science | Technology | Management*

15

Departments

12

UG Programmes

32

**PG Programmes
including an MBA**

PhD Programme in all Departments

**Regular
Teaching Faculty**

422

**Regular Non-
Teaching Faculty**

289

8000+

UG,PG & PhD Students on Roll
31% Students are Girls

45000+

Distinguished Alumni

ACHIEVEMENTS & RECOGNITIONS: LAST THREE YEARS

NIRF India Ranking 2024



ENGINEERING



ARCHITECTURE

NIRF India Ranking 2023



ENGINEERING



ARCHITECTURE

NIRF India Ranking 2022



ENGINEERING



ARCHITECTURE

NIRF Innovation
Ranking 2023



(The only NIT among the top 10)

Institute's Innovation
Council (IIC) – 2023



Four Star Rating

Atal National Ranking of Institutions on
Innovation Achievements (ARIIA) -2023:



(The only NIT among the top 10)

DEPARTMENTS AND CENTRES

DEPARTMENTS

1. [Architecture and Planning](#)
2. [Bioscience and Engineering](#)
3. [Chemical Engineering](#)
4. [Chemistry](#)
5. [Civil Engineering](#)
6. [Computer Science & Engineering](#)
7. [Department of Education](#)
8. [Electrical Engineering](#)
9. [Electronics & Communication Engineering](#)
10. [Humanities, Arts and Social Sciences](#)
11. [Materials Science and Engineering](#)
12. [Mathematics](#)
13. [Management Studies](#)
14. [Mechanical Engineering](#)
15. [Physics](#)

CENTRES

1. Centre for Career Development
2. Centre for Clean Energy and Circular Economy
3. Centre for Continuing Education and Skill Development
4. Centre for Cultural and Art Relations (CCAR)
5. Centre for Electric Vehicle Engineering
6. Centre for Holistic Teaching and Learning
7. Centre for Indian Knowledge Systems
8. Centre for Industry - Institutional Relations (CIIR)
9. Centre for Information Technology, Research, and Automation (CITRA)
10. Centre for Innovation, Entrepreneurship & Incubation
11. Centre for Public Relations, Information and Media Exchange (C-PRIME)
12. Centre for Quality Assurance and Enhancement
13. Centre for Sustainable Technologies
14. Centre for Yoga and Holistic Wellness
15. Centre for Women Welfare and Social Empowerment
16. Centre of Excellence in Artificial Intelligence
17. Centre of Excellence in Logistics and Supply Chain Management

THEMATIC CENTRES

1. Advanced Manufacturing Centre
2. Biomechanics
3. Campus Networking Centre (CNC)
4. Central Computer Centre (CCC)
5. Centre for Computational Modelling and Simulation (CCMS)
6. Centre for Materials Characterization (CMC)
7. Centre for Scanning Microscopy
8. Centre for Student Activities and Sports
9. Equal Opportunity Cell
10. Sophisticated Instruments Centre
11. Transportation Research

ACADEMIC PROGRAMS

Departments	B.Arch/B. Tech/BSc.Ed	M.Tech/M.Plan	MSc/MA/MBA	Ph.D.
Architecture and Planning (5 years)	✓	✓	×	✓
Bioscience and Engineering	✓	✓	×	✓
Chemical Engineering	✓	✓	×	✓
Chemistry	×	×	✓	✓
Civil Engineering	✓	✓	×	✓
Computer Science and Engineering	✓	✓	×	✓
Department of Education	✓	×	×	×
Electrical Engineering	✓	✓	×	✓
Electronics and Communication Engineering	✓	✓	×	✓
Humanities, Arts and Social Sciences	×	×	×	✓
Materials Science and Engineering	✓	✓	×	✓
Mathematics	×	×	✓	✓
Mechanical Engineering	✓	✓	×	✓
Management Studies	×	×	✓	✓
Physics	✓	×	✓	✓

INTERDISCIPLINARY RESEARCH

PROGRAMS/ AREAS/ THRUST AREAS OF RESEARCH

The major areas of research and consultancy of various departments/schools are as follows:

Architecture & Planning

Mathematics

Chemical Engineering

Mechanical Engineering

Chemistry

Physics

Civil Engineering

Department Of Bioscience & Engineering

Computer Science & Engineering

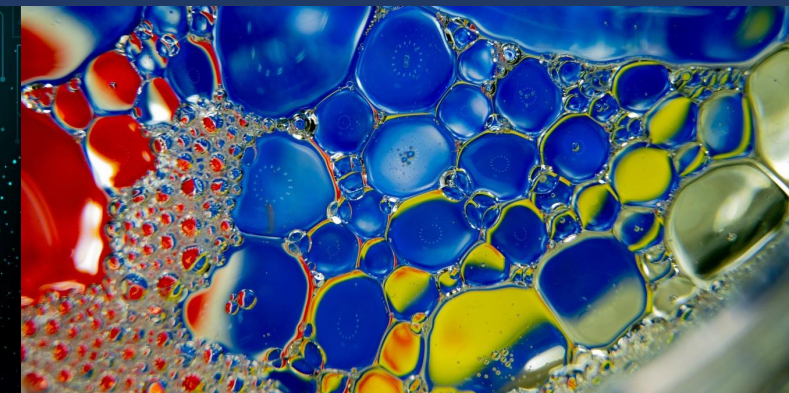
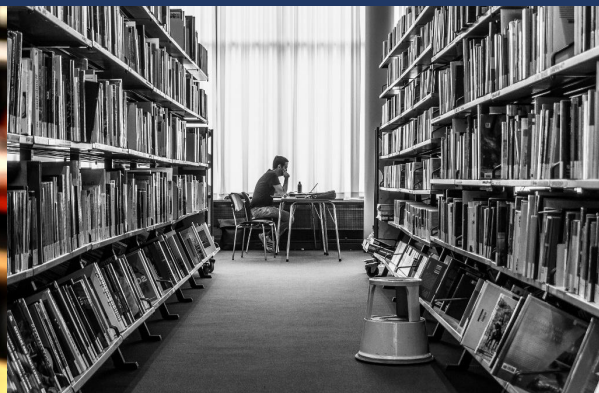
Department Of Management Studies

Electrical Engineering

Department Humanities, Arts & Social Sciences

Electronics & Communication Engineering

Department Of Materials Science & Engineering



RESEARCH THRUST AREAS

- **5G and Next Generation Communication Technologies**
- **Additive Manufacturing**
- **Artificial Intelligence**
- **Robotics**
- **Genetic Engineering**
- **Energy and Electrochemical Engineering**
- **Nanotechnology**
- **Waste Management**
- **Natural hazards**
- **Town Planning**
- **Electric Vehicle Engineering**
- **Technology Management**

THEMATIC CENTRES

Centre for Computational Modeling and Simulation (CCMS)

CCMS aims to promote and support computational modelling as a mainstream research activity amongst the faculty and researchers of NIT Calicut.

Link: <https://nitc.ac.in/thematic-centres/centre-for-computational-modelling-and-simulation-ccms>

Centre for Materials Characterization (CMC)

The Centre for Materials Characterization (CMC) to host highly sophisticated testing, characterization and analysing facility to boost up the cutting edge research in Materials Engineering, Chemistry, Nanotechnology and allied areas.

Link: <https://nitc.ac.in/thematic-centres/centre-for-materials-characterization-cmc>

Centre Computer Centre (CCC)

CCC is the central facility in NIT Calicut which caters for the computing requirements of the whole community of this institution. The Centre has state of the art infrastructure with four fully operational terminals spanning over three floors of the building..

Link: <https://nitc.ac.in/thematic-centres/central-computer-centre-ccc>



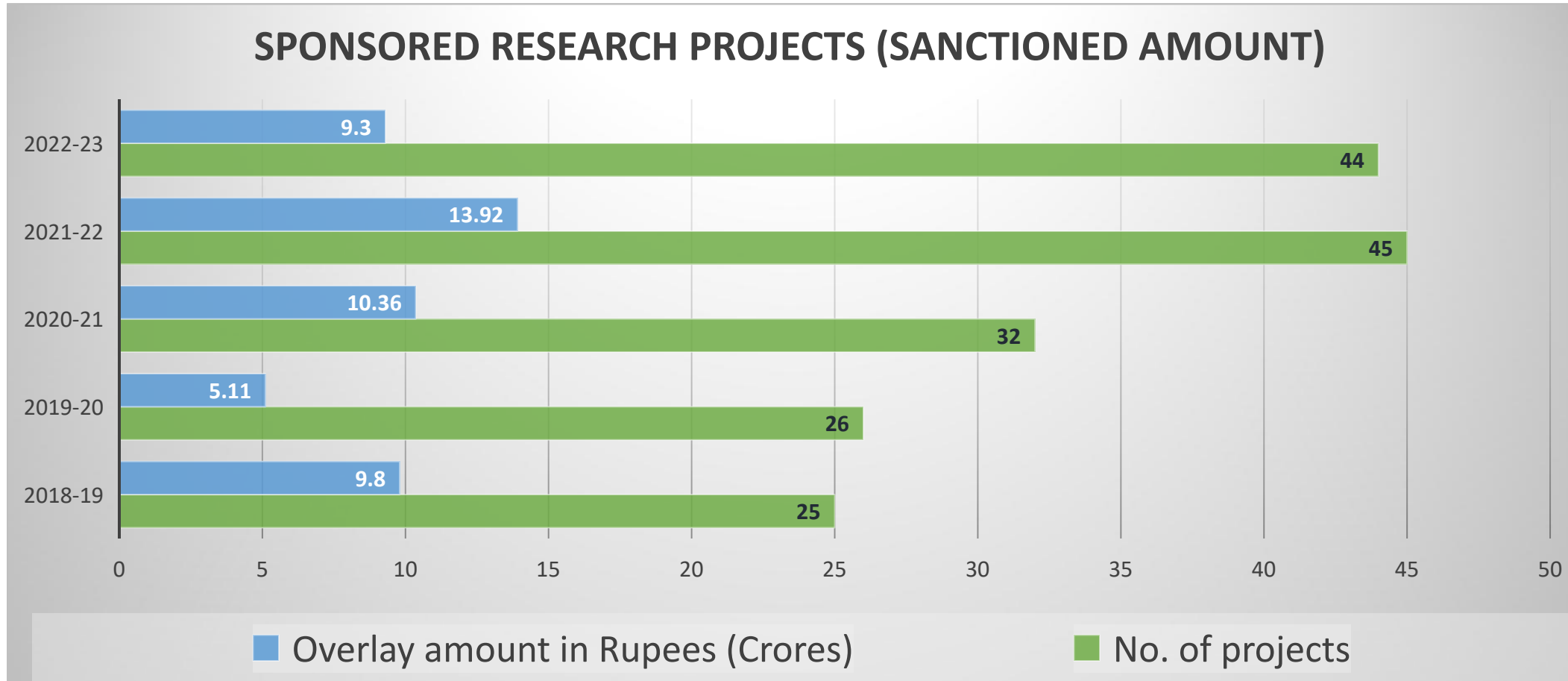
RESEARCH & CONSULTANCY



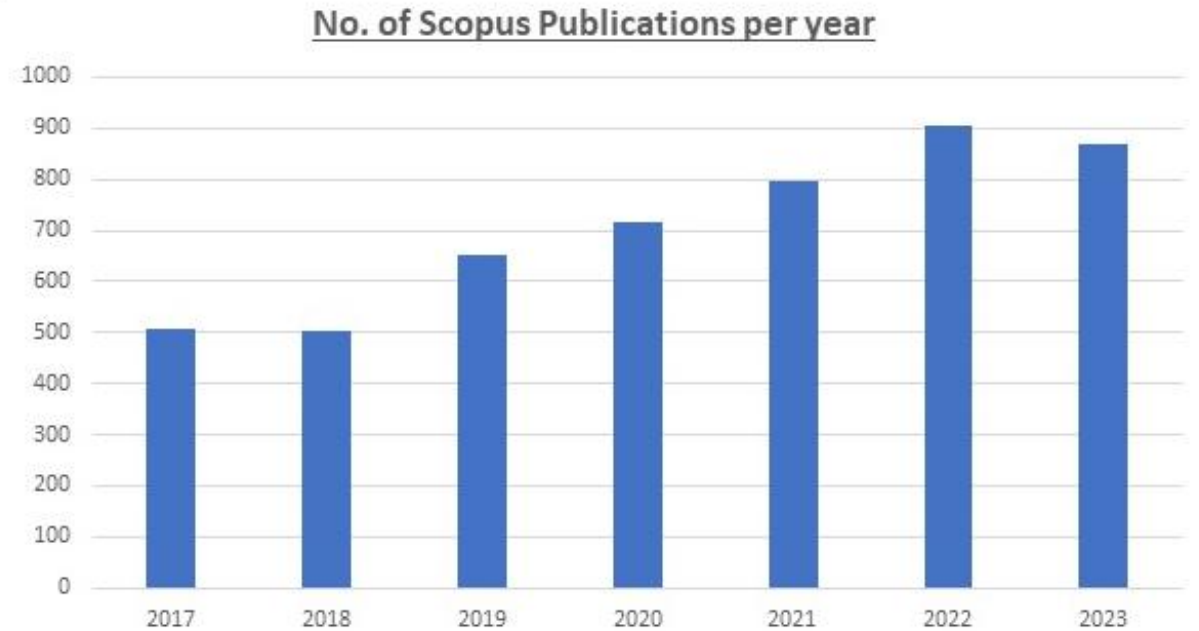
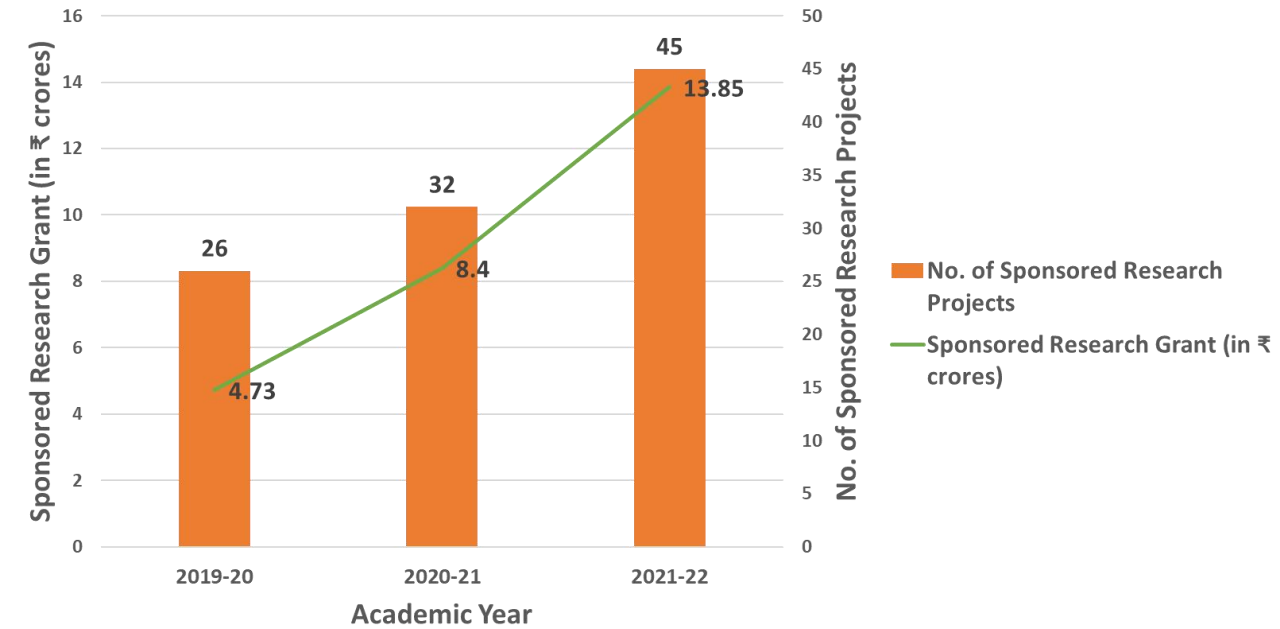
<https://randc.nitc.ac.in/>

- NIT Calicut encourages research and innovation, with faculty and students actively engaging in projects.
- The institute has secured substantial funding from esteemed governmental and industrial agencies, with nine departments receiving FIST funding.
- The testing and consultancy services have expanded recently, and the department of civil engineering offers exceptional consultancy and testing services in multiple fields.
- NITC collaborates with foreign universities and institutions, enriching the research and development environment and enhancing the global research network.

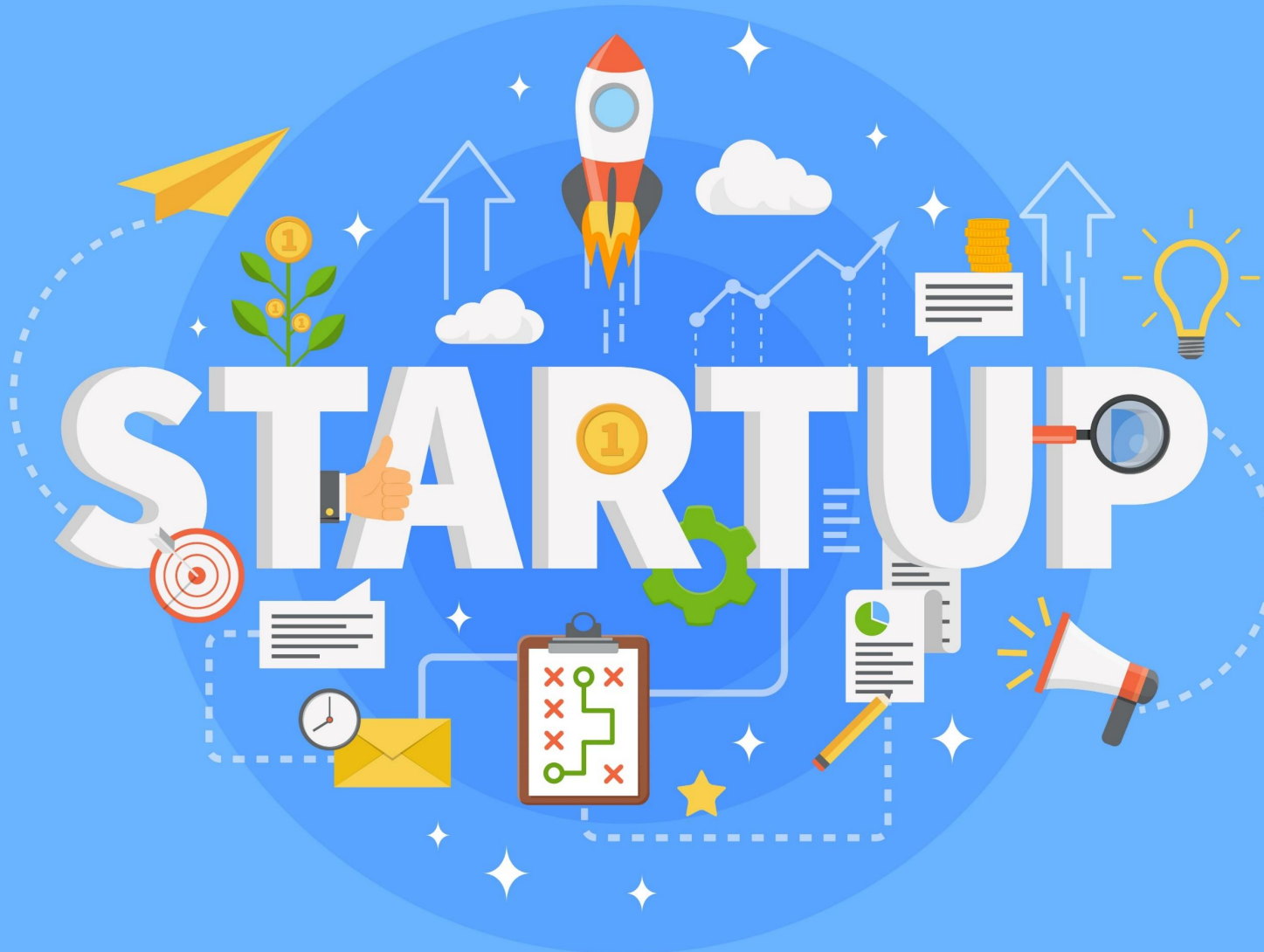
SPONSORED RESEARCH PROJECTS



RESEARCH & CONSULTANCY



INNOVATION AT NITC



Entrepreneurship Ecosystem

NIT Calicut has a thriving entrepreneurship ecosystem, with a dedicated incubation centre to support students' start-up ideas. This promotes innovation and entrepreneurship among students.

TECHNOLOGY BUSINESS INCUBATOR (TBI)



- Institute set up the TBI in 2004 with the support of the National Science and Technology Entrepreneurship Development Board (NSTEDB) of the Department of Science and Technology to incubate start-up industries.
- A dedicated Fab Lab facility is set up for the use of innovators.
- TBI also provides financial assistance to companies which require funds for their operations.
- TBI support the innovators for prototype development through the NIDHI-PRAYAS scheme giving grants up to Rupees 10 lakhs.

Conducted 70+ training programmes in entrepreneurship development and trained approx. 1400 entrepreneurs.

TECHNOLOGY BUSINESS INCUBATOR (TBI)



- Sector agnostic - Open to innovators from all sectors
- Services offered to startups – Technical, Mentoring, marketing, Funding, Statutory and legal assistances
- Departments/Ministries associated with – DST, Technology Development Board, MeitY (TIDE Scheme), MoMSME (Incubator, Design scheme, AESDP), Defence Innovation Organisation (iDex), Kerala Startup Mission (IEDC), KDISC (ODOI, YIP)
- Project done that has social impact – Coir Cluster development at Balussery (MoMSME)



COMPANIES
INCUBATED



GRADUATED
COMPANIES



FUNDED
COMPANIES



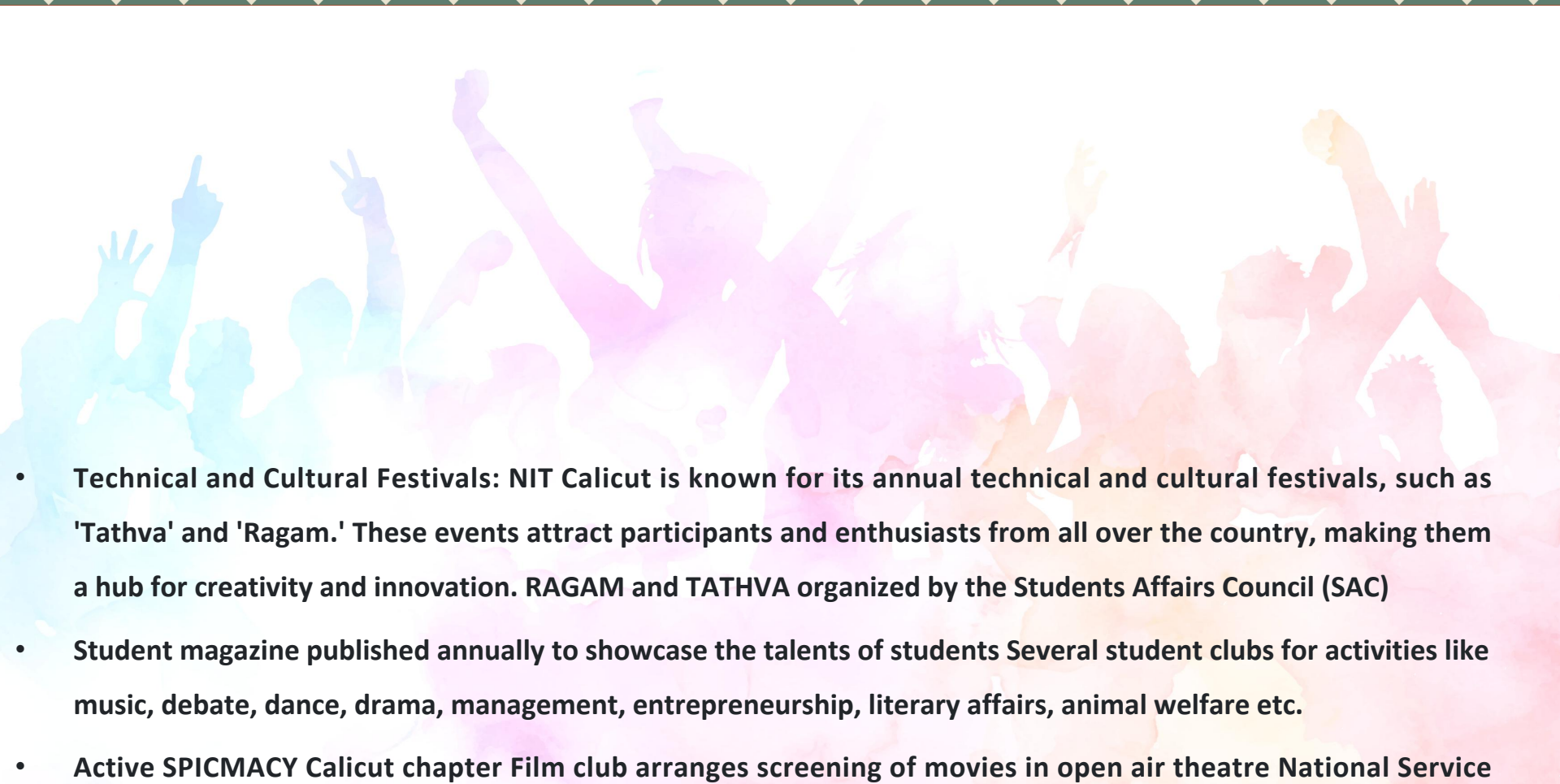
COMPANIES HAVING
MORE THAN 1CR



EMPLOYMENT
GENERATION

STUDENT ACTIVITIES

- Team Unwired
- Robotics club
- IEEE Student Chapter
- ISTE Student Chapter
- NASA (Architecture)
- Aero Modelling Club
- Dept. Associations
- AI Club
- Innovation Club- NOVA
- Code Chef NITC Chapter

- 
- **Technical and Cultural Festivals:** NIT Calicut is known for its annual technical and cultural festivals, such as 'Tathva' and 'Ragam.' These events attract participants and enthusiasts from all over the country, making them a hub for creativity and innovation. RAGAM and 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, literary affairs, animal welfare 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.

LIFE ON NITC CAMPUS



INTERNATIONAL, ALUMNI & CORPORATE RELATIONS

45000+ ALUMNI MEMBERS

21 ALUMNI CHAPTERS

225 L+ ALUMNI CONTRIBUTION
3 YEARS

- NITC has a vibrant Alumni community of over 40,000 members. All of them are part of the NITC Alumni Association (NITCCAA)
- The Institute Management System (IMS) and the new Institute website are two key Alumni-sponsored projects. Work is progressing on a Student Plaza named 97th Avenue, sponsored by the 1997 batch. North America NITC Alumni Association is coordinating the NITC Alumni Mentoring Program (NITCAMP) to provide academic and career guidance to current students.
- Eminent Alumni visit the campus regularly and interact with students as part of the Distinguished Alumni Lecture Series.
- Alumni are also co-teaching various courses along with regular faculty. NITC has instituted a Distinguished Alumni Awards scheme to celebrate the professional achievements and contributions of its Alumni under seven categories.

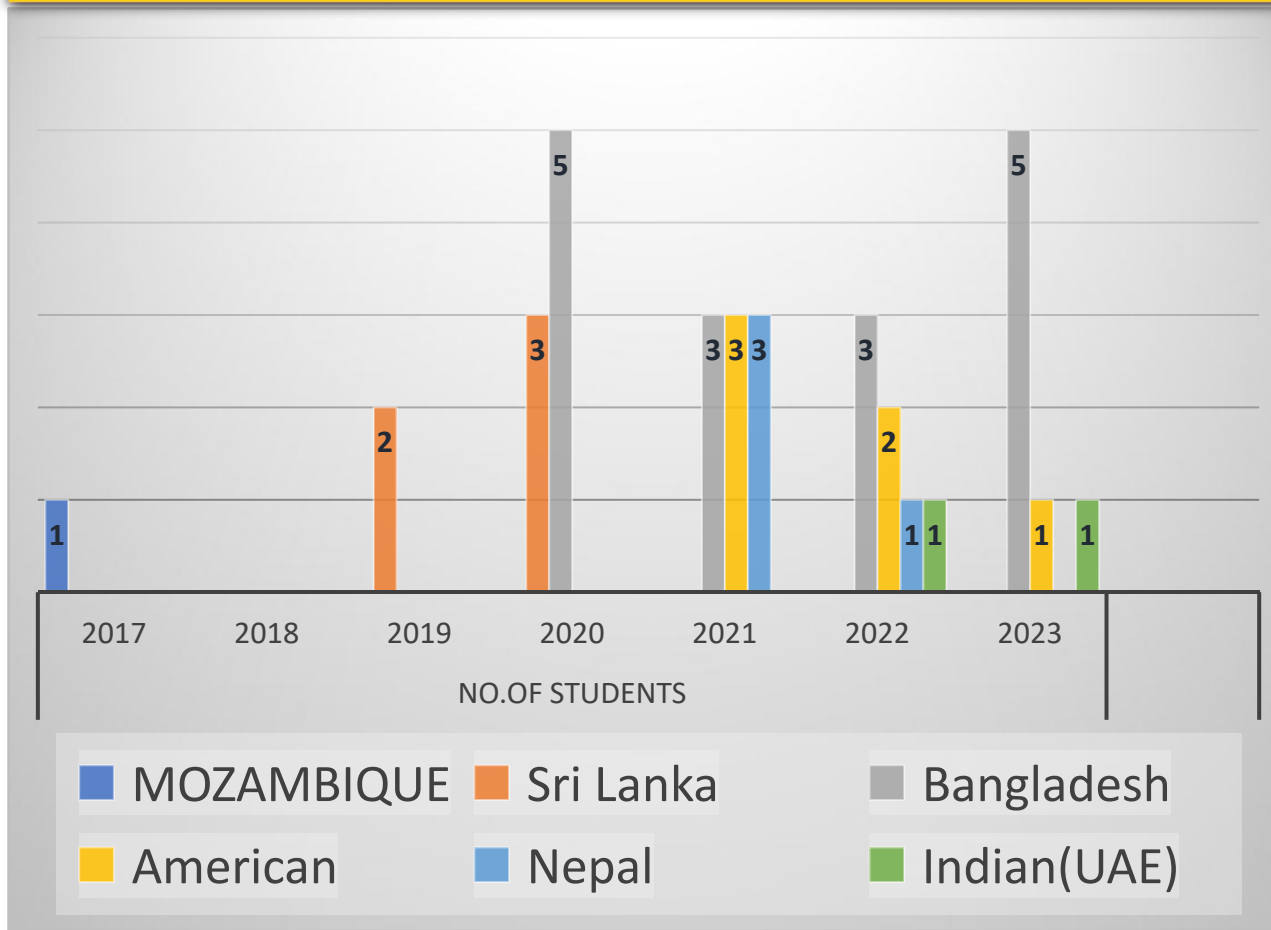
INTERNATIONAL, ALUMNI & CORPORATE RELATIONS (IACR)

- Strengthen International collaboration in the Academic and Research domain
- Establish a mechanism for the attainment of global standards among the NITC fraternity
- Mobilise International Academic Collaboration
- Focus on creating world-class teaching practices and curriculum
- The office for International Relations aims to foster academic and research collaborations with reputed institutions and industries from India and abroad for the internationalization of higher education

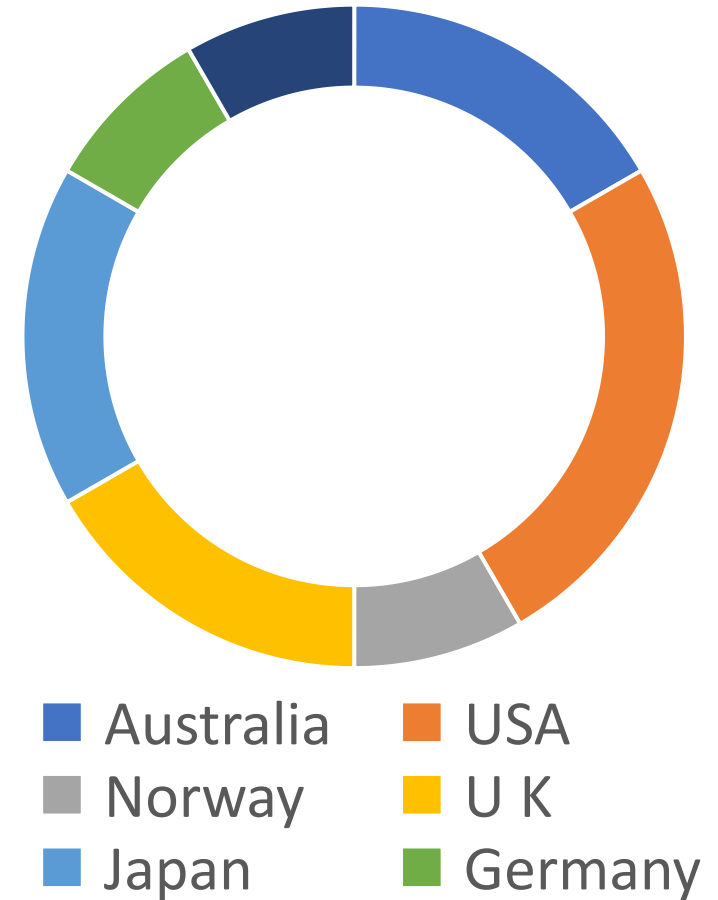


INTERNATIONAL RELATIONS

Number of International students in each year

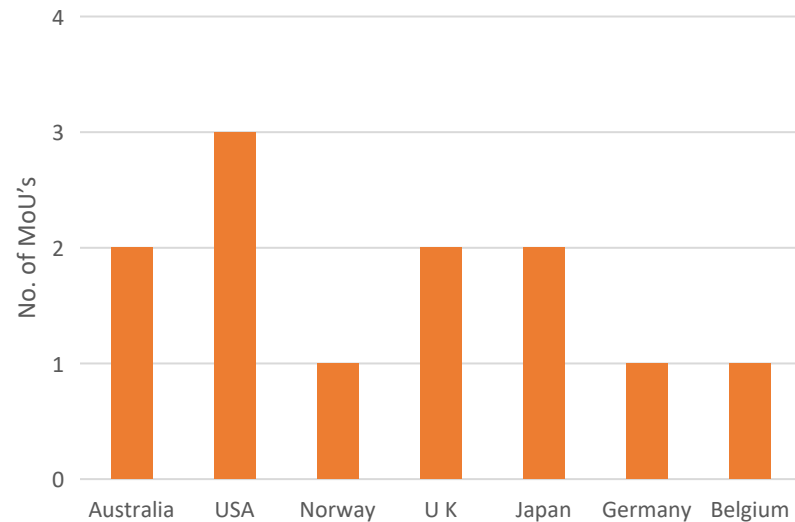


Number of MoU with the NITC

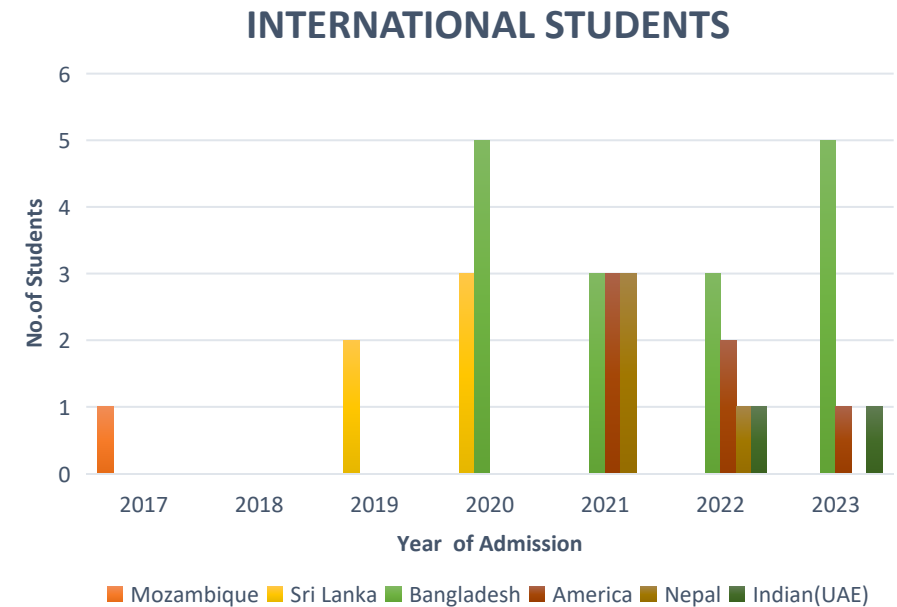


INTERNATIONALISATION OF THE INSTITUTE

International Partners of NITC



International Students@ NITC



CONTACTS



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THANK YOU



<https://nitc.ac.in/>