DEPARTMENT OF
TRAINING AND PLACEMENT



NIT TRICHY

UG PLACEMENT BROCHURE

2026-2027

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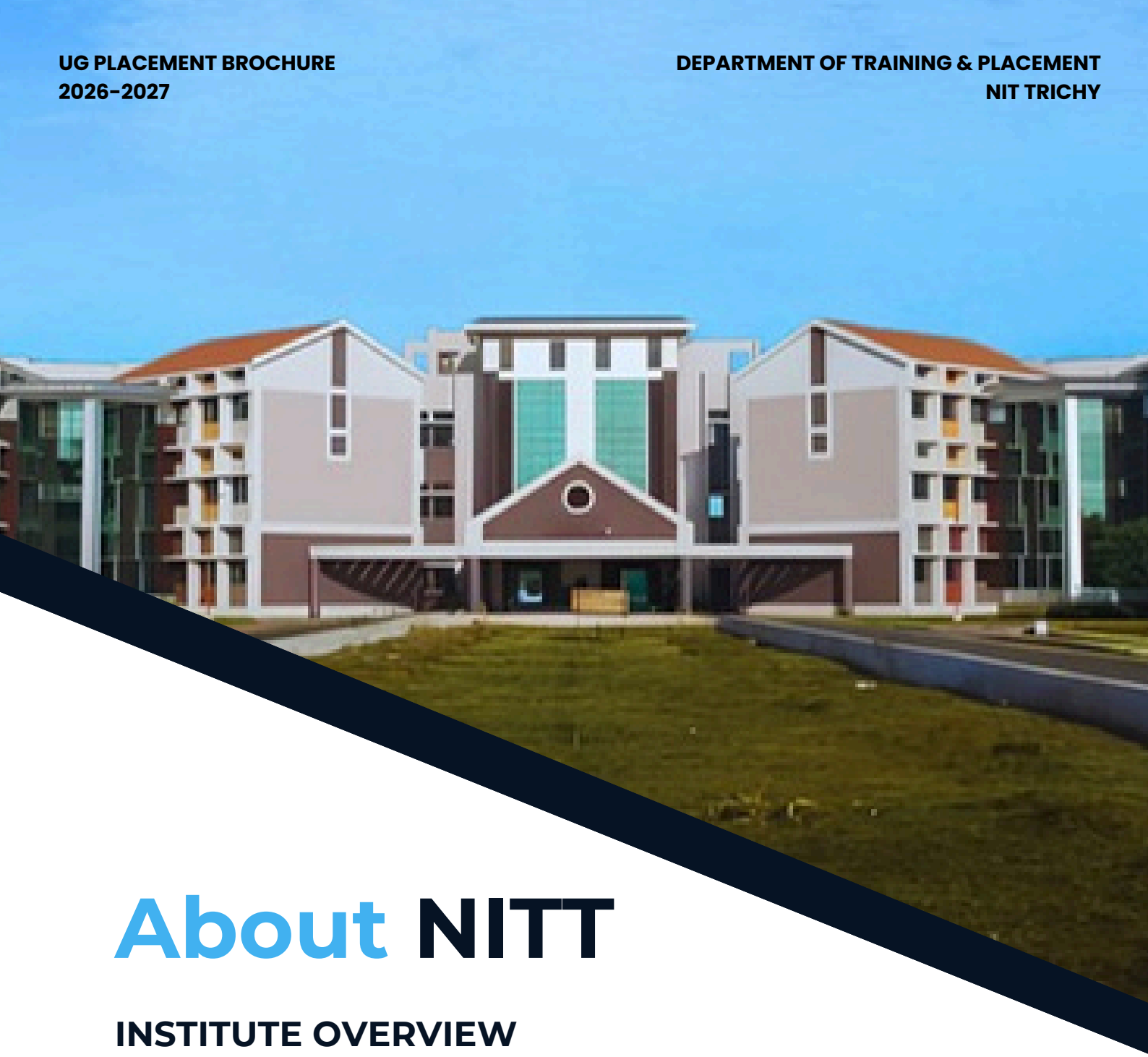
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About NITT

INSTITUTE OVERVIEW

National Institute of Technology, Tiruchirappalli (NIT Trichy), previously known as Regional Engineering College, Tiruchirappalli, is a prestigious public technical and research university near Tiruchirappalli, Tamil Nadu, India. Established in 1964, it is one of India' s oldest and most esteemed technical institutions.

Recognized as an Institute of National Importance under the National Institutes of Technology Act, 2007, NIT Trichy focuses on science, technology, engineering, management, and architecture education. The university aims to not only impart technical knowledge but also instill values and skills essential for shaping future global citizens. Through its Vision, Mission, and Core Values, NIT Trichy strives to achieve global standards, nurture talent among students, faculty, and researchers, and address real-world challenges to contribute to societal advancement

Vision, Mission and Core Values

VISION

To be a university globally trusted for technical excellence where learning and research integrate to sustain society and industry.

MISSION

- To offer undergraduate, postgraduate, doctoral and modular programmes in multidisciplinary / inter-disciplinary and emerging areas.
- To create a converging learning environment to serve a dynamically evolving society.
- To promote innovation for sustainable solutions by forging global collaborations with academia and industry in cutting-edge research.
- To be an intellectual ecosystem where human capabilities can develop holistically.

CORE VALUES

- Integrity
- Unity
- Excellence
- Inclusivity



Why recruit at NITT?

- Top ranked NIT in India for 10 straight years.
- Placed within the top 50 innovators in India.
- Ranks 9th nationwide in engineering and architecture.
- Students are from the top national percentiles. and admission secured purely via highly competitive JEE Mains.
- Holds the prestigious "Best Innovation Club" award given by the Hon'ble President of India Shri Ram Nath Kovind at the Festival of Innovation and Enterpreneurship 2018



Distinctive Highlights

- Hosts the advanced PARAM PORUL Supercomputer and industry backed hubs like the Siemens Centre of Excellence and an NVIDIA powered center.
- The only NIT to be appointed as the National MOOCs Coordinator for Swayam central courses.
- Drives a robust research culture through sponsored projects and industrial consultancies with premier organizations like ISRO, DRDO, and BHEL.
- Sprawls across an expansive eight hundred acre self contained campus equipped with comprehensive academic and residential infrastructure.
- Fosters leadership and cross functional teamwork through high impact technical clubs spanning robotics, formula racing, and corporate relations.



Notable Alumni



N Chandrasekharan
Chairman
Tata Sons



K R Sridhar
Founder & CEO
Bloom Energy



Shyam Srinivasan
CEO & MD,
Federal Bank



Sanjay Khanna
Chairman & MD
BPCL



P Srikar Reddy
CEO &MD
Sonata Software



Anantha Radhakrishnan
CEO & MD
Infosys BPM Ltd



Revathi Kant
Chief Design Officer
ITitan Co Ltd



Vivek Ravisankar
Co-Founder & CEO
HackerRank



T V Narendran
Global CEO & MD
Tata Steel



Ravi Viswanathan
MD
TVS Supply Chain Solutions



Srimathi Shivashankar
CVP and Global Head
HCL Technologies



Balaji Sreenivasan
Founder and CEO
Aurigo Software Technologies



Prasanna Sankar
Co-Founder
Rippling



Saumen Bhaumik
MD
CaratLane

Research and Consultancy

NIT Trichy strives to position itself at the forefront of cutting-edge research, innovation, and industry-oriented problem solving in line with national and global standards. Research and consultancy activities at the institute have grown consistently across sponsored projects, publications, patents, live projects, and industrial engagements. The institute has 165 published and granted patents, 7,388 Web of Science citations, 200 currently live projects, and 491 completed sponsored projects to its credit. Several sponsored projects are funded by agencies such as MHRD, DST, SERB, CSIR, DRDO, ISRO, GTRE, AICTE, RGNID, DEITY, and DAE. In addition, major consultancy projects are undertaken with organizations such as BHEL, CPWD, PWD, AAI, NLCIL, CDAC, and CWC across different departments of the institute. With more than 10,400 completed consultancy projects and an annual average of around ₹35 crore in sanctioned funds, NIT Trichy actively translates academic expertise into patents, product and process innovations, technical services, and practical solutions for industry and society.



On Campus Facilities Available



SIEMENS CENTER OF EXCELLENCE

Bridges academia and industry through world-class infrastructure and high-impact technical training. It offers skill development, internships, and consultancy, providing students with cross-industry exposure. With NIT Trichy and Siemens certifications, the center enhances technical education and offers extensive placement assistance.

CENTER FOR ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION

Empowers students and graduate startups by converting ideas into businesses. It offers up to 25 lakhs in seed funding for technical innovations alongside research facilities, mentorship, and networking opportunities within the NITT ecosystem.



NATIONAL SUPERCOMPUTING MISSION

NITT is integrated into the Government of India's National Super Computing Mission. The institution is slated to receive a supercomputer, a high-performance computing facility, to support faculty and researchers in tackling complex computational problems across various projects. The Department of Science and Technology (DST) and the Ministry of Electronics and Information Technology (MeitY) sanctioned the supercomputer, valued at ₹17.11 crores, along with an additional ₹2 crores allocated for installation costs.

On Campus Facilities Available



CENTRAL LIBRARY

A modern hub featuring over 2.5 lakh documents across three automated floors. It offers digital databases, international e-journals, and specialized facilities like a media room and quiet halls. With high-speed connectivity and extensive institutional research, it effectively connects traditional academic study with global digital innovation.



OCTAGON

The Octagon is the central building of the CSG at NITT, serving as the main hub for the institute's computing and network infrastructure. This fully air-conditioned facility houses massive computing laboratories equipped with high-performance workstations connected to a high-speed campus LAN. It features specialized labs for CAD/CAM, graphics, and software development, alongside advanced server rooms that manage digital resources round-the-clock.



CENTRE OF EXCELLENCE IN ARTIFICIAL INTELLIGENCE

The CoE-AI NIT-T, established in June with 1.18 crore HEFA funding and an Nvidia Memorandum of Understanding, has secured 1.5 crore in sponsored projects from DRDO, ISRO, and the Naval Research Board. The center addresses societal issues, notably crisis management, healthcare, and decision support, especially during the pandemic. Future plans include becoming an independent AI center, submitting proposals for R&D funding, and developing skilled manpower through training and internships.

On Campus Facilities Available



INSTITUTE INNOVATION COUNCIL

Established under the Ministry of Education, the IIC at NIT Trichy nurtures student innovation through ideathons and workshops. By collaborating with the incubation center, it converts academic projects into commercial startups, bridging engineering with the entrepreneurial ecosystem while maintaining the institute's high innovation standing.



SPACE TECHNOLOGY INCUBATION CENTRE

S-TIC, established by ISRO at NITT, fosters academia-industry collaboration and nurtures space-tech startups among students. To integrate academic research into national space projects, ISRO sponsors various product and technology development initiatives for the faculty. Furthermore, the center actively encourages students to participate in internships and conduct project-related visits to ISRO facilities.



SOPHISTICATED INSTRUMENTATION FACILITY

Operating with dedicated staff since 2021, the SIF at NITT serves as a vital hub for advanced research across science and technology. Over the past two years, the facility has successfully completed 2,000 tests for 400 internal and external users. SIF is currently integrating a single-window booking system through the ISTEM portal to streamline accessibility. Furthermore, it regularly conducts workshops and hands-on training to develop skilled technical manpower.

Beyond Academics



FESTEMBER

Festember is NIT Trichy's annual cultural festival, held over four days in September. Founded in 1975 as a zero-budget fest, it has grown into one of South India's largest cultural festivals, with a footfall of 15,000 and participation from 500+ colleges annually. Entirely student-run with support, it offers events, informals, workshops, and ProShows, fostering leadership and management skills.

NITTFEST

NITTFEST is NIT Trichy's annual interdepartmental cultural fest, held for over 3 days in March, with over 84 events consisting of debates, quizzes, music, and dance. Departments compete amongst each other to win the NITTFEST Trophy every year.



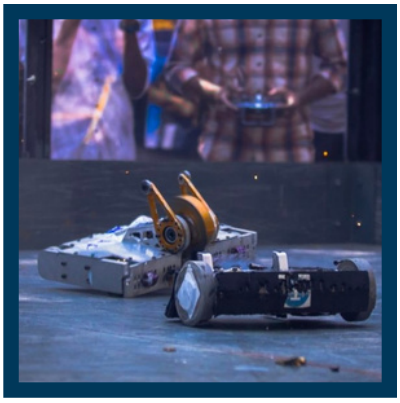


SPORTSFETE

Sportsfete is the annual interdepartmental sports festival at NIT Trichy, taking place every September. With over 100 events, including athletics, football, hockey, swimming, and various workshops like shooting and archery, the competition is fierce. Departments engage in a spirited rivalry each year for winning the Sportsfete Trophy.

PRAGYAN

Pragyan® is the international techno managerial organization of NIT Trichy, hosting a four-day annual fest where students showcase their technical skills. It is one of the three organizations, and the only student-run one, with ISO 20121:2012 certification for management and sustainable event ISO 9001:2015 certification for quality management. The fest attracts global participants and sponsors, capturing the essence of the technical and managerial worlds



Clubs and Student Groups

DELTA

As the official web team and programming club of NIT Trichy, Delta Force develops and maintains the institute's website, manages web activities for Festember and Pragyan, and conducts annual events and workshops.

SPIDER

Spider, the Research and Development Club of NIT Trichy, consists of individuals pursuing projects in Artificial Intelligence, Electronics, and Computer Technology. Additionally, Spider's distinguished alumni have founded startups worldwide.

GRAPHIQUE

Graphique, the graphic design club of NIT Trichy, promotes Design Thinking through its work on Festember and Pragyan, and campus development initiatives. Mentored by alumni who are professional designers, members tackle industrial and real-life problems.

PSI RACING

PSI Racing, NIT Trichy's official motorsports club, promotes automotive interest and knowledge. It has excelled in competitions like BAJA SAE and ESI, representing the institute against over 100 colleges. It has won numerous accolades, including top rank of 5th out of 120 in 2019.

SCIEnT

SCIEnT offers students 24/7 access to a wide range of tools and machines, from spanners to lathes and resistors to Intel Galileo boards. It provides funding, resources, and mentorship for campus innovators to bring their ideas to life.

Clubs and Student Groups

180 DEGREES CONSULTING

180 Degrees Consulting is the world's largest university-based consultancy, with 140+ branches in 35+ countries. Student consultants aim to enhance global organizational effectiveness with support from experienced mentors to tackle real-world challenges.

THE ENTREPRENEURSHIP CELL

The Entrepreneurship Cell-NIT Trichy has promoted innovation and entrepreneurship across campus and India for over a decade. Through events, & workshops, our 60-member team supports organizations with strategic insights, fostering growth and inspiring future leaders.

THE 3RD DIMENSION

The Third Dimension is NITT's aeromodelling club, dedicated to electrically propelled airplanes, drones, and hovercrafts. Engaging in competitions, they apply electronics and coding for smarter aerial vehicles and tackle real-world problems using aerodynamics.

DATABYTE

DataByte at NIT Trichy focuses on solving real-world problems through data science and machine learning, empowering students and the community with impactful projects, research, and knowledge sharing initiatives

RMI

RMI, the Robotics and Machine Intelligence club of NIT Trichy, includes around 40 undergraduates from various departments. This diversity enables interdisciplinary, research-oriented projects, chosen based on feasibility, cost, and impact.

Clubs and Student Groups

DESIGNER'S CONSORTIUM

Designers ' Consortium, established in 2015, is NIT Trichy ' s official Product Design Club. Comprising diverse engineering backgrounds, their goal is to innovate solutions for societal challenges through impactful design, guided by mentors from top consulting firms.

BUILDERS' HIVE

Builders ' Hive, NIT Trichy ' s Social Innovation and Engineering Club, awarded the ACI Outstanding Award in 2021 and 2022, advances civil engineering with innovation and sustainability, driven by a skilled student team achieving exceptional results

THE PRODUCT FOLKS

Product Folks NITT Chapter focuses on nurturing future product leaders through guest lectures, workshops, & live projects in product management. We empower students with diverse skills to innovate & excel in the dynamic field of product development & leadership

SIGMA

SIGMA - The Business Club of NITT focuses on Projects, Data Analytics, Case Studies, Consulting, and Articles, encouraging members to engage in managing events like Guest Lectures, Workshops, and Competitions.

PROFNITT

ProfNITT empowers students in Finance and Investment through practical experience and mentorship in areas like Investment Banking, Private Equity, Venture Capital, Hedge Funds, and Fin-Tech, with engaging events like Guest Lectures, Workshops, & Case Competitions.

Clubs and Student Groups

INTERNATIONAL FINANCE STUDENT ASSOCIATION

IFSA NIT Trichy is the 10th APAC chapter of the International Finance Student Association, the world's largest student-run finance organization. The chapter aims to build a strong finance culture on campus through live projects with VCs, M&A firms, startups and NGOs, along with guest lectures, workshops, bootcamps and finance events. .

ORBIT

Orbit is the official rocketry competition team of National Institute of Technology Tiruchirappalli, focused on developing innovative projects in solid and liquid propulsion, sounding rockets, and jet engine technologies. The team actively works on the design, testing, and integration of advanced aerospace systems to represent the institute at prestigious national and international aerospace and rocketry competitions.

FORCE HYPERLOOP

Force Hyperloop is a multidisciplinary, student-led R&D team at NIT Tiruchirappalli dedicated to advancing affordable, energy-efficient hyperloop transit through hands-on experimentation, innovative design and collaboration across Mechanical, Electrical, Electronics and Computer Science disciplines.

CATALYST

Catalyst is the official process design club of the National Institute of Technology, Tiruchirappalli, focused on enhancing process design by adopting computational workflows and integrating AI/ML with fundamental sciences. The club aims to solve real world industrial and energy challenges with a multi-disciplinary approach.

Infrastructure



CLOCKTOWER



ORION



CENTRAL LIBRARY



OCTAGON



BARN HALL



LECTURE HALL COMPLEX

Infrastructure



GJ CONVENTION HALL



TECHNOGYM



BASKETBALL COURT



CAPSTONE



NSO GROUND



SWIMMING POOL

Our Esteemed Recruiters



Our Esteemed Recruiters



Department of Training & Placement



Department of Training & Placement

The department provides facilities for the visiting companies to conduct preplacement talks, written tests, group discussions and interviews. Audio visual aids like laptops, LCD projectors and Smart digital displays for pre placement talks and internet facilities for online tests are arranged upon prior intimation. Conveyance from/to airport or railway station is arranged by the department. Accommodation and food are provided at the institute guest house for the company on prior intimation and the cost of these are borne by the institute. In case the company executives wish to stay outside the campus all arrangements for their accommodation are made but costs are to be borne by the company

FUNCTIONS AND RESPONSIBILITIES

- It nurtures industry-institute interaction by organizing and coordinating frequent industrial visits.
- Organizes in-plant training and projects of industrial relevance for the students with the sole aim of zeroing down the hiatus between the industry and academia.
- Coordinates campus placement program to fulfill its commitment of a career to every aspirant. Helps every student define their career interest through individual expert counselling.
- Works toward continuing education for the employees.
- Receives and forwards the feedback pertinent to curriculum improvement from the visiting companies to the faculty to ensure that the curriculum follows the latest industrial trend.

Department of Training & Placement

FACILITIES AVAILABLE

For Online Processes

650+ high end computers spread over state-of the-art labs operating 24/ 7.

For Pre-placement talks, Seminars, Workshops

Halls with combined capacity of 600+ are available for conducting pre-placement talks with audio visual aids like laptops and LCD projectors.

For conducting Group Discussions, Personal Interviews

Capstone, the office of Training and Placement, NITT, has a number of rooms with 24/7 high-speed internet connectivity, for the smooth conduct of Group Discussions and Personal Interviews, among other processes.



Placement Process

Overview

- INVITATION
- REVERT WITH PRE-VISIT RESPONSE
- NOTIFICATION TO STUDENTS
- PLACEMENT PROCESS
- RESULTS AND OFFER LETTERS

Placement Process



Invitation

The Placement Office sends invitations to companies/organizations along with the UG and PG brochures and Pre-Visit Response (PVR) sheet through mail.

Revert with Pre-visit response

Interested companies will revert with a filled-in Pre-Visit Response (PVR) sheet which contains details such as job description, streams, eligibility criteria, compensation details and the selection.





Notification to students

Students are notified about the company requirements and the list of the interested candidates will be collected and the same is forwarded to the company. Dates will be allotted for the selection process on campus.

Placement Process



Placement Process

The Department of Training and Placement will provide audio-visual requirements such as laptops and LCD projectors for Pre-Placement Talks before the placement procedure begins. Pre-Placement Talk is followed by the placement process as per the company's requirements.

Results & Offer Letters

After the completion of the placement process, the company is required to give the list of the selected candidates to the Department of Training and Placement on the same day itself. Offer letters can be sent to the Training and Placement Department to the E-mail address mentioned in the last page of the brochure.



Undergraduate Programmes

I Bachelor of Technology

- Chemical Engineering
- Civil Engineering
- Computer Science and Engineering
- Electrical and Electronics Engineering
- Electronics and Communication Engineering
- Instrumentation and Control Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering
- Production Engineering

I Bachelor of Architecture

- Architecture

I B. Sc. B. Ed.

- Chemistry
- Mathematics
- Physics

UNDERGRADUATE PROGRAMMES

Architecture

As one of the premier architecture schools in the country, this department nurtures creative design thinking balanced with sustainable engineering principles. The comprehensive, five-year curriculum encompasses architectural design, sustainable building technologies, urban planning, housing, and the history of architecture. Students hone their practical and technical execution skills through intensive studio work, real-world case studies, and a mandatory year-long professional internship. They develop deep proficiency in industry-standard visualization and building information modeling (BIM) tools such as AutoCAD, Revit, SketchUp, and Rhino. This extensive training prepares highly creative and technically sound graduates who are readily absorbed by top-tier architectural firms, urban planning authorities, real estate conglomerates, and design consultancies.





COURSES

Theory Courses:

Principles of Architecture, History of Architecture, Contemporary Architecture, Building Structures and Structural Systems, Estimation and Specification, Building Economics and Construction Management, Landscape Architecture, Architectural Acoustics, Climate Responsive Architecture, Energy Efficient Buildings, Disaster Resistant Building Design and Management, Building Bye-Laws and Codes of Practice; HVAC, Lighting, Water Supply and Drainage Services.

Lab Courses:

Computer Applications in Architecture, Strength of Materials, Model Making, Professional Practice.

UNDERGRADUATE PROGRAMMES

Chemical Engineering

Consistently ranked among the top departments in the country, this program beautifully blends core chemical principles with advanced process engineering. The rigorous academic curriculum covers fluid mechanics, mass transfer, chemical reaction engineering, and process control dynamics. This learning is backed by state-of-the-art laboratory facilities and collaborative research projects funded by premier national organizations like DST and ISRO. Throughout their tenure, students acquire extensive technical proficiency in industrial simulation tools including MATLAB, ASPEN Plus, and ANSYS Fluent. This produces highly versatile graduates who excel across core chemical industries, FMCG, energy sectors, petroleum refining, analytics, and software roles.





COURSES

Theory Courses:

Fluid Mechanics, Chemical Engineering Thermodynamics, Particulate Science and Technology, Chemical Reaction Engineering. Process Dynamics and Control, Project Engineering and Economics, Mass Transfer, Heat Transfer, Petroleum and Petrochemical Engineering, Process Calculations, Chemical Technology, Safety in Chemical Industries.

Lab Courses:

Particulate Science and Technology Lab, Momentum Transfer Lab, Chemical Reaction Engineering Lab, Heat Transfer Lab, Mass Transfer Lab, Process Dynamics and Control Lab, Instrumental and Thermodynamics Lab.

UNDERGRADUATE PROGRAMMES

Civil Engineering

As one of the foundational pillars of NITT, this department is renowned for producing industry-ready structural engineers, infrastructure planners, and consultants. The curriculum provides intensive training in structural analysis, geotechnical engineering, environmental engineering, and transportation systems. There is a strong emphasis on real-world application through mandatory industry-oriented design projects and comprehensive surveying camps. Furthermore, students gain hands-on experience with modern industry-standard software tools such as AutoCAD, STAAD Pro, and ArcGIS. This aligns them perfectly with top-tier global recruiters spanning heavy infrastructure, core construction, real estate, and structural consultancy firms.





COURSES

Theory Courses:

Concrete Technology, Hydrology & Water Resources Engineering, Geotechnical Engineering, Analysis of Indeterminate Structures, Transportation Engineering, Advanced Steel Structural Elements, Railway, Airport & Harbour Engineering, Advanced Reinforced Concrete Design, Advanced Foundation Engineering, Environmental Engineering, Fluid Mechanics, Survey & Advanced Surveying.

Lab Courses:

Strength of Materials & Concrete Laboratory, Fluid Mechanics Laboratory, Environmental Engineering Lab, Transportation Engineer Lab, Computational Lab, Building Planning & Drawing.

UNDERGRADUATE PROGRAMMES

Computer Science and Engineering

Positioned as one of the premier choices of top JEE rankers, this department maintains an enviable legacy of near 100% placement records year after year. The intensive curriculum covers data structures, advanced algorithms, distributed computing, cryptography, AI/ML, and full-stack software development. The learning ecosystem is further enhanced by the high-performance computing power of the PARAM PORUL Supercomputer hosted right on campus. Driven by an exceptional competitive coding and hackathon culture, the department cultivates top-tier problem solvers who regularly excel in worldwide technical challenges. Consequently, it stands as the primary talent hub for elite global tech firms, investment banks, quantitative trading setups, and disruptive product startups.





COURSES

Theory Courses:

Data Structures, Introduction to Algorithms, Combinatorics and Graph Theory, Computer Architecture, Database Management Systems, Internetworking Protocols, Operating Systems, Principles of Cryptography, Artificial Intelligence.

Lab Courses:

Algorithms, Mobile Application Development, Data Structures, Digital Laboratory, Operating Systems, Database Management Systems, Networks Laboratory, Embedded Systems.

UNDERGRADUATE PROGRAMMES

Electrical and Electronics Engineering

This highly demanding program bridges foundational electrical systems with state of the art power electronics and digital control systems. The coursework delves deep into electrical machines, power system analysis, smart grids, control theory, and embedded system designs. The theoretical foundation is complemented by cutting edge industrial labs and a thriving research partnership ecosystem with public sector undertakings like BHEL. Students develop deep technical proficiency in simulation software such as MATLAB, Simulink, PSCAD, and LabVIEW. Because of this rigorous background, graduates are highly sought after by global semiconductor giants, core power and energy companies, automotive firms, and IT sectors.





COURSES

Theory Courses:

Electrical Machines, Linear Integrated Circuits, Control Systems and Network Theory, Microprocessors and Microcontrollers, Power System Protection and Switchgear, VLSI Design, Power Electronics, Transmission and Distribution

Lab Courses:

Electronic and Integrated Circuits Laboratory, Synchronous and Inductions Machines Laboratory, Micro-computing and VLSI Design Laboratory, Power Electronics and Systems Laboratory.

UNDERGRADUATE PROGRAMMES

Electronics & Communication Engineering

A premier department at NITT, this branch caters directly to the rapidly growing semiconductor, telecommunication, and microelectronics domains. The curriculum focuses strongly on VLSI design, digital signal processing, embedded systems, wireless communications, and computer architecture. It is supported by advanced research labs and industrial collaborations, including specialized center facilities powered by NVIDIA technology. Students achieve industry-ready expertise in circuit synthesis and modeling using Verilog, VHDL, Xilinx, and Cadence tools. This preparation successfully places graduates into leading silicon design companies, telecommunication providers, consumer electronics firms, and analytics roles.





COURSES

Theory Courses:

Microprocessors and Microcontrollers, Signals and Systems, Transmission Lines and Wave Guides, Electrodynamics and Electromagnetic Waves, Digital Signal Processing, Digital Signal Processors and Applications, Analog Integrated Circuits, Antennas and Propagation, Network Analysis and Synthesis, Microwave Electronics, Fiber Optic Communication.

Lab Courses:

Fiber Optic Communication Laboratory, Microprocessor and Microcontroller laboratory, Digital Signal Processing Laboratory, Digital Electronics Laboratory, Microwave Laboratory.

UNDERGRADUATE PROGRAMMES

Instrumentation and Control Engineering

This unique, interdisciplinary department bridges electrical, mechanical, and electronic systems to cater to modern industrial automation. The academic training spans process control, industrial instrumentation, electronic design, robotics, IoT architectures, and virtual instrumentation. The curriculum is heavily supported by the advanced Siemens Centre of Excellence, offering students direct access to world-class automation setups and PLCs. Rigorous analytical training enables students to master predictive modeling, data acquisition, and modern sensor fusion techniques. This results in a highly adaptable talent pool sought after by global automation majors, process plants, automotive manufacturers, and tech analytics firms.





COURSES

Theory Courses:

Analog Signal Processing, Microprocessors and Microcontrollers, Industrial Instrumentation, Digital Electronics, Principles of Communication Systems, Instrumentation practices in Industry, Control Systems, Process Control, Logic and Distributed Control Systems, Micro Electro Mechanical Systems. Automotive Instrumentation, Instrumentation and Control for Petrochemical Industries, Digital Control Systems.

Lab Courses:

Sensors and Transducers Laboratory, Analog Signal Processing Laboratory, Control Systems Laboratory, Industrial Instrumentation Laboratory, Microprocessor and Microcontroller Laboratory, Process Control Laboratory

UNDERGRADUATE PROGRAMMES

Mechanical Engineering

Widely recognized for its illustrious legacy, this department blends traditional core mechanical principles with next-generation automation. It provides comprehensive training across thermal engineering, design optimization, manufacturing processes, fluid dynamics, and fluid machinery. A strong experiential learning culture thrives here, with industrial exposure gained through formula student teams, robotics clubs, and central workshops. Students acquire valuable expertise in modern industry tools like SolidWorks, CATIA, ANSYS, and computational fluid dynamics (CFD) packages. This ensures they are consistently recruited by premier automotive giants, aerospace industries, heavy engineering companies, oil & gas corporations, and consultancy firms.





COURSES

Theory Courses:

Mechanics of Machines, Automobile Engineering, Turbomachines, Power Plant Engineering, Design of Mechanical Drives, Mechatronics, Advanced IC Engines, Manufacturing Technology, Computer Aided Design and Drafting, Engineering Thermodynamics, Biofuels, Strength of Materials, Analysis and Design of Machine Components, Vehicle Dynamics.

Lab Courses:

Metrology and Quality Control Lab, Manufacturing Technology Lab, Thermal Engineering Lab and Dynamics Lab.

UNDERGRADUATE PROGRAMMES

Metallurgical and Materials Engineering

Celebrated as one of the oldest and most prestigious materials science programs in India, this department enjoys an outstanding global reputation. The comprehensive syllabus encompasses physical metallurgy, extractive metallurgy, advanced nanomaterials, and mechanical testing. The department boasts a robust research ecosystem with major consultancy projects funded by national bodies like DRDO, ISRO, and steel majors. Students are highly trained in characterization techniques like SEM, XRD, and advanced material simulation and modeling software. Thanks to this niche expertise, they are highly favored by core steel and manufacturing conglomerates, aerospace labs, automotive R&D divisions, and semiconductor materials sectors.





COURSES

Theory Courses:

Physical Metallurgy, Strength of Materials, Mineral Processing and Metallurgical Analysis, Metallurgical Thermodynamics, Transport Phenomena, Phase Transformation and Heat Treatment, Iron Making and Steel Making, Metal Casting Technology, Materials Joining Technology, Polymers and Composites, Non-ferrous Extraction, Metal Forming, Corrosion Engineering.

Lab Courses:

Welding and Foundry Laboratory, Corrosion Laboratory, Mechanical Testing Laboratory, Metallography Laboratory.

UNDERGRADUATE PROGRAMMES

Production Engineering

This highly flexible, interdisciplinary branch optimizes manufacturing methodologies, product design, and industrial operations management. The curriculum seamlessly merges advanced manufacturing technology, robotics, operations research, supply chain management, and quality control. The department's impact is enhanced by hands-on labs and industrial training modules designed to bridge the gap between academia and modern factories. Students graduate with proficiency in industrial optimization frameworks, CAD/CAM tools, lean six sigma principles, and data-driven logistics models. This makes them highly recruited across supply chain networks, manufacturing industries, operations divisions, top-tier management consultancies, and analytics firms.





COURSES

Theory Courses:

Machining Technology, Kinematics and Dynamics of Machines, Operations Research, Supply Chain Management, Metrology, Design of Machine Elements, Forming Technology, Computer Integrated Manufacturing, Mechanics of Solids and fluid, Casting and Welding, Materials Science, Lean Manufacturing.

Lab Courses:

Manufacturing Processes Lab, Weldability and Formability, Advanced CNC Lab, Machine Drawing Practice, Computer A ided Design.

How to reach NITT?

BY AIR

From	To	Departure	Arrival	Flight Code
Chennai	Trichy	07:10 AM	08:10 AM	6E7298
Chennai	Trichy	09:30 AM	10:40 AM	6E7191
Chennai	Trichy	12:40 PM	01:50 PM	6E7028
Chennai	Trichy	08:20 PM	09:30 PM	6E7051
Bengaluru	Trichy	06:55 AM	08:05 AM	6E7236
Bengaluru	Trichy	02:35 PM	03:50 PM	6E7711
Bengaluru	Trichy	07:25 PM	08:40 PM	6E7165
Hyderabad	Trichy	03:30 PM	05:00 PM	6E2073
Mumbai	Trichy	01:35 PM	03:40 PM	6E2016
Delhi	Trichy	03:45 PM	06:50 PM	6E769

How to reach NITT?

BY RAIL

From	To	Train Name	Departure	Arrival	Train Number
Chennai	Trichy	Nagercoil Vande Bharat Express	05:00 AM	08:55 AM	20627
Chennai	Trichy	Cholan SF Express 22675	08:00 AM	03:15 PM	22676
Chennai	Trichy	Guruvayur MS GURUVAYUR EXP	10:40 AM	04:15 PM	16127
Chennai	Trichy	Tirunelveli Vande Bharat Express	03:10 PM	07:00 PM	20665
Chennai	Trichy	Kanniyakumari SF Express	05:20 PM	10:25 PM	12633
Bengaluru	Trichy	Madurai Vande Bharat Express	01:44 PM	07:15 PM	20672
Hyderabad	Trichy	Tuticorin Express	03:00 PM	04:55 PM+1 day	17615

In & Around Trichy



ROCKFORT

Historic fort and temple built on a massive 83-meter-tall rock, believed to be around 3.8 billion years old, it houses Thayumanavar Temple and Uchi Pillayar Temple at the top, offering a beautiful view of the city and the Kaveri River. The site also reflects the architectural influence of the Pallava and Nayak dynasties.



BRIHDEESHWARA TEMPLE

Brihadeeswarar Temple, also known as the Big Temple, is located in Thanjavur, around 60 km from Trichy. It was built by Rajaraja Chola during the Chola Dynasty. Dedicated to Lord Shiva, the temple is famous for its huge tower, large Shiva lingam, and beautiful stone carvings, built completely with granite stones. The temple is also recognized as a UNESCO World Heritage Site.



OUR LADY OF LOURDES CHURCH

Our Lady of Lourdes Church is a famous church in Tiruchirappalli near Melapudur. Built inspired by the Basilica of Our Lady of the Rosary in France, the church is known for its beautiful Gothic-style architecture and colorful glass windows. It is an important place of worship and pilgrimage for Christians in Trichy.

In & Around Trichy



KALLANAI DAM

Kallanai Dam, also known as the Grand Anicut, is an ancient dam built across the Kaveri River around 2000 years ago by Karikala Chola of the Chola Dynasty. Located around 20 km from Tiruchirappalli, it is one of the oldest water diversion structures in the world still in use today. Built using large uncut stones, the dam showcases the excellent engineering skills of the Chola period.



SRIRANGAM TEMPLE

Sri Ranganathaswamy Temple is a famous Hindu temple located in Srirangam, around 10 km from Tiruchirappalli. Dedicated to Lord Vishnu, the temple is one of the largest functioning temples in the world and is known for its 21 gopurams and beautiful carvings. Built mainly during the Chola Dynasty period, it is an important pilgrimage site for Vaishnavites and is famous for its grand Vaikunta Ekadasi festival.



SITHANAVASAL

Sittanavasal is a famous historical site located around 55 km from Tiruchirappalli. Known for its ancient Jain caves and beautiful wall paintings, the site dates back to the Pandya period. The paintings, made using natural colors, depict lotus ponds, flowers, animals, and human figures, showing the rich art and culture of ancient Tamil Nadu.

In & Around Trichy



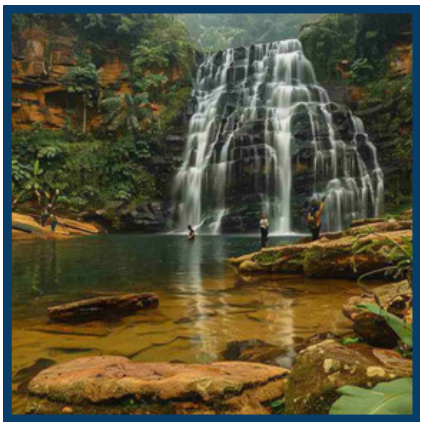
MUKKOMBU

Mukkombu, also known as Upper Anaicut, is a scenic place located around 18 km from Tiruchirappalli. Built across the Kaveri River during the British period, it is the point where the river splits into the Kaveri and Kollidam rivers. Known for its natural beauty, park, and peaceful surroundings.



HAZRAT NATHAR SHAH WALI DARGAH

Hazrat Nathar Shah Wali Dargah is a famous Sufi shrine located in Tiruchirappalli. Built in memory of the Muslim saint Hazrat Nathar Shah Wali, it is one of the oldest and most important Islamic pilgrimage sites in Tamil Nadu. The shrine is known for its beautiful Indo-Islamic architecture and peaceful atmosphere, attracting devotees from different religions.



PULIYANCHOLAI

Puliyancholai is a beautiful hill-side tourist destination located about 72 km from Tiruchirappalli, near the foothills of the Eastern Ghats. Surrounded by lush green forests and small streams, it is well known for its natural beauty, cool climate, and peaceful environment. The place is popular among tourists and nature lovers for trekking, bathing in the stream, and enjoying scenic views, making it one of the favorite getaway spots near Tiruchirappalli.

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