

GNIT

GURU NANAK INSTITUTE OF TECHNOLOGY



JIS GROUP

Educational Initiatives



2021 & 2022



NAAC A+

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL



NATIONAL BOARD OF ACCREDITATION

Accredited Institute



PROSPECTUS



**EXCELLENCE
NOW ACCREDITED BY**



**GLOBAL CURRICULUM FOR
THE YOUNG MINDS OF INDIA**

Bachelor of Technology (B.Tech) in



**Food
Technology**



**Electronics and
Communication
Engineering**



**Electrical
Engineering**



**Computer
Science and
Engineering**

We Thank All Our Stakeholders

www.gnit.ac.in

[#educationbeyonddordinary](https://twitter.com/educationbeyonddordinary)

Another **page of glory**
in our **endeavour to excel.**



**1st Private Engineering College
in West Bengal to secure NAAC Grade 'A+'
Accreditation in 2022**

**GURU NANAK INSTITUTE
OF TECHNOLOGY, KOLKATA**



Vision of The Institute

To ignite young minds with creativity and empowering lives and educate them to produce a galaxy of young professionals of outstanding ability who can become leaders in their profession and responsible citizens who can meet the challenges faced by the society.

Mission of The Institute

- To meet the demands of skilled manpower on a global basis in the field of engineering, technology and management.
- To inculcate amongst the students and inspire them to take up higher studies and research.
- To impact high quality education by providing the ambience needed for developing requisite skill for excellence in education and industry.

“WHY GNIT”

- Eco Friendly Campus
- NAAC “A+” NIRF / NBA / ARIIA Rank/IIC 5 Star Rank
- NBA accreditation in four streams (FT 6 Years/CSE/ECE/EE)
- Research and Practical Oriented New Age Learning Model
- Culturally Diverse Institution
- Industry Experienced & PhD Qualified Facilites
- Collaborations with Foreign Universities & Institutions.
- Happiest Institution recognition by QS-IGAUGE
- Great Industry Exposure for Students



AFFILIATION & APPROVED



CAMPUS FACILITY

 Hostel Facility	 In-house Canteen	 Smart Classroom	 Purified Drinking Water
 Banking Facility	 e-Library	 Multigym Facility	 Internship & Placement Cell

15000+
Alumni
Across the
Globe

100+
Patents
Achieved

500+
Students
Studying on
Scholarship

100+
MOU
Signed

RANKING & ACCREDITATIONS



AWARDS & ACHIEVEMENT



TIMES ENGINEERING
Institute Ranking

GNIT-ians At Educational Camp in Bangkok.



CLASSROOM

INDUSTRY
VISITS

INTERNATIONAL
INTERNSHIP

FINAL
PLACEMENT



PRINCIPAL'S MESSAGE

*Guru Nanak Institute of Technology is a multidisciplinary education hub and seat of integrated learning promoting unfettered liberal thinking, creativity and innovation in the domain of Technology, Management Sciences, and Applied Sciences. Guru Nanak Institute of Technology (GNIT) was established in the year 2003 by the Guru Nanak Educational Trust. GNIT is a unit of JIS Group Educational Initiatives, a premier education service provider in West Bengal, having 39 institutions, **185 Programmes** and **45,000 students**. It was instituted with a vision to empower aspiring professionals with technological knowledge and professional expertise. This technical campus offering undergraduate and post graduate courses under MaulanaAbulKalam Azad University of Technology (**MAKAUT formerly WBUT**), approved by **NAAC, UGC, NBA, AICTE**, is located in one of the prime locations in North Kolkata, extremely well connected in few minutes from major arterial connectivity through Air, Railways and Roads. The institute also ranked in the ivy league of IIC 5 star Ranking, National Institutional Ranking Framework (NIRF 2020, 2021), **QSI Gauge, WEEK, TIMES** etc.*

*The institute nurtures serene and aesthetically developed campus which is highly conducive for quality academic endeavors. The entire campus is **smoking free, plastic free** to ensure an eco-friendly and pollution free environment with zero tolerance to Ragging. All the modern Digital, Sports and Gymnasium, Club Activities, library facilities are provided round the clock for all round development of the students with global linkage.*

*The college has an enrolment of around 2000 students pursuing various degrees in engineering courses. I welcome all the students at GNIT and wish them a very bright and prospective career. The Institute is autonomous from 2016 along with most remarkable achievement of 1st Private Engineering College in West Bengal to Secure **NAAC A+** Accreditation. Most of the programs are accredited by NBA for 3years, beside that Food technology having the prestigious 6years accreditation for Undergraduate program. MODROB scheme has been granted by AICTE to the department of Electronics and Communication Engineering , Electrical Engineering , and Food Technology in line with Fund for Infrastructure in Science and technology by DST, MOFPI, SERB etc Government Agencies The institute has been adjudicated as Best College Award 2023 at the JIS SAMMAN Award.*

The institute provides unwavering quality education amalgamating theory with high class practical work transforming talents industry ready and capable of global scale research and professional acumen. The university is the quintessential embodiment of traditional education, emerging dynamic digital pedagogy and learning systems adopts itself in the changing paradigms of global scale academics and research. Testimonials are abounds in locating GNIT Alumni working creditably in leadership positions in all across the glob. Some of the key drivers for imparting practical knowledge and up-skilling students are integration of experiential forms of education with immersive academic systems through successful implementation of project based flipped learning leveraging supercomputing and High Performance Computing facilities, cloud based technologies, and methodologies.

State of the art research and specialized laboratory facilities are engaged to nurture the curious and innovative minds to explore the most exciting domains of science and technology in all stages of undergraduate, post graduate and PhD levels.

A group of highly experienced and well-qualified teachers with international and national research credentials impart high-quality education and training to the students to make them complete professionals and self-reliant. The university has a strong network with research and academic institutes of eminence across the globe and fosters the spirit of innovation and research among the students.

The education system is supported by extensive library facilities available round the clock with digital resources and international journals and research papers. The library is well connected with online knowledge repositories for complete academic and research content support.

The cross-cultural environment and co-curricular activities ensure holistic development and vibrant learning atmosphere. Millennial are groomed, guided and placed in the right career orbit and life with right orientation and preparation.

Noted academicians, researchers, experts and celebrity professionals are nurturing the students through consistent association and interaction. All round mentoring at national and international levels, hands on work and stratified industry linked internships ensures intellectually sound and emotionally balanced development. Guru Nanak Institute of Technology with a futuristic vision of growth, innovation and sustainable development merged with commitment towards society emerges a pioneer of new awakening aimed to work towards growing the knowledge economy with consistent efforts towards society and humanity at large. Major government and non-government Scholarship and student free ship is availed by the students. Remarkable enrolment and placement ratio has been achieved by the institute in the last few years. The institute blends dynamic model of traditional pedagogy with trend setting entrepreneurial activities through IDEO-O Meter and Institute Innovation Council, Government pf India to provide students co linier carrier gateways.

Sincerely

Prof. (Dr.) Swarup Kumar Mitra

Principal, GNIT

Affiliation and Accreditations:

- Accredited by NAAC (National Assessment and Accreditation Council) with grade A+
- NBA accredited depts. (CSE, ECE, EE and FT)
- First Institute of India to receive prestigious QS-IGAUGE Gold Rank.
- Rated A+ among top Engineering Colleges in West Bengal (Source : Career 360).
- Approved by AICTE (All India Council for Technical Education)
- Affiliated to MAKAUT (formerly known as WBUT)
- Autonomous Institute status conferred by UGC and Ministry of Higher Education, WB
- Affiliated to WBSCT & VE & SD (for Diploma Programmes)

GNIT: Gateway to a fruitful career



Admission to all course of GNIT is done through the Admission Cell and it offers one - to one integrated career counselling to all national and international students and provides initial guidance and assistance on accommodation and hostel facilities, food habits, cross-cultural issues and initial mentoring to help the students to get acquainted with the system, safe secured and growing.

Admission cell provides integrated guidance to parents & students and counsel them, emphasizing on the following
(i) Guidance in the choice of the subject and desires mapped with eligibility. ii) Rules and regulation of the college.
(iii) Manners and etiquette. (iv) Accommodation / Hostel / Food Arrangement etc.

**To Book a counselling session log on to www.gnit.ac.in or
Call at +91 -0-9432012681 / +91 -0-9073683911 or
Whatsapp at +91 -9432012681**

Eligibility For Admission

Programme	Branch	Eligibility Criteria
B.Tech	<ul style="list-style-type: none"> Computer Science & Engineering (CSE) Computer Science & Engineering (AIML) Computer Science & Engineering (Cyber Security) Electronics and Communication Engineering (ECE) Information Technology (IT) Electrical Engineering (EE) Food Technology (FT) Electronics and Computer Science (ECS) 	10+2 standard or equivalent with Physics & Mathematics along with any one of Chemistry / Biology / Biotechnology / Computer Science / Computer Application/Technical Vocational Subject as compulsory subjects with individual pass marks (Theory & Practical) and having minimum 45% marks in the above subjects (40% for reserve category) and at least 30% marks in English + valid score/rank in WBJEE/JEEMAINS/CEEAMPAI-WB in current academic year. (As per AICTE Guidelines)
B. Tech – Lateral Entry	<ul style="list-style-type: none"> Computer Science & Engineering (CSE) Computer Science & Engineering (AIML) Computer Science & Engineering (Cyber Security) Electronics and Communication Engineering (ECE) Information Technology (IT) Electrical Engineering (EE) Food Technology (FT) Electronics and Computer Science (ECS) 	Diploma & B.Sc. Degree holders having at least 45% marks (40% in case of Reserved Category) With valid WBJELET score (Pass marks in XII Standard with mathematics in case of B.Sc. Degree Holders). (As per AICTE Guidelines)
M. Tech	<ul style="list-style-type: none"> Computer Science & Engineering (CSE) Electronics and Communication Engineering (ECE) Food Technology 	Bachelor Degree or equivalent in the relevant field with current year GATE/PGET/CEE-AMPAI-MASTERS rank or score
MCA	<ul style="list-style-type: none"> Master of Computer Applications (MCA) 	50% marks in 10+2 or equivalent and 50% marks in BCA / Bachelors Degree in Computer Science Engineering or Equivalent Degree with Current year WBJECA/ CEE-AMPAI MASTERS rank.
BCA	<ul style="list-style-type: none"> Batchelor of Computer Applications 	50% marks in 10+2 or equivalent and valid rank & CET
BBA	<ul style="list-style-type: none"> Batchelor of Business Administration 	50% marks in 10+2 or equivalent and valid rank & CET
BBA (Hospital Management)	<ul style="list-style-type: none"> Batchelor of Business Administration 	50% marks in 10+2 or equivalent and valid rank & CET
Diploma	<ul style="list-style-type: none"> Electrical Engineering (DEE) Electronics & Tele-Communication Engineering (DETCE) 	10th Standard or equivalent with current year's valid JEXPO
Diploma-Lateral Entry	<ul style="list-style-type: none"> Electrical Engineering (DEE) Electronics & Tele-Communication Engineering (DETCE) 	Passed 10+2 examination / H.S. (Vocational) examination of WBSC & VE&SD / equivalent examination with Physics/ Mathematics/ Chemistry/ Computer Science/ Electronics/ Information Technology/ Biology/ Informatics Practices/ Biotechnology/ Technical Vocational Subject/ Agriculture/ Engineering Graphics/ Business Studies/ Entrepreneurship. OR Passed 10th + 2 years ITI (continuous) in annual system or Semester system with current year's VOCLET rank.
BSC	<ul style="list-style-type: none"> BSC Data Science BSC Cyber Security 	50% marks in 10+2 or equivalent.

GNIT Events



Associated with



Department of Computer Science & Engineering

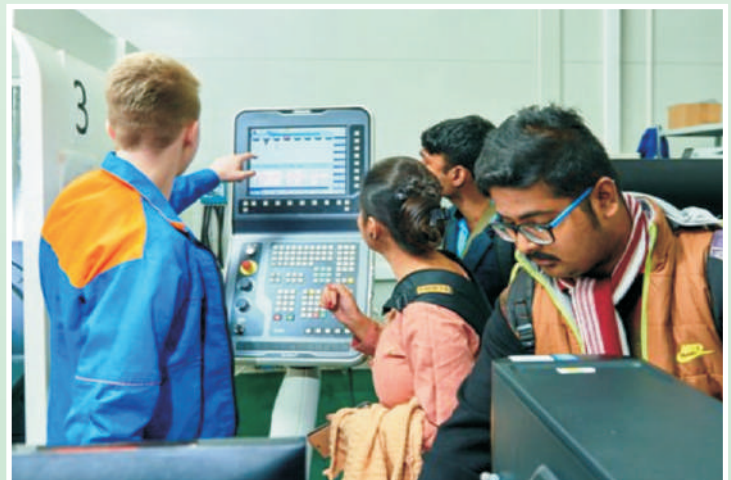
Pioneering Intelligent Technology to Connect the World

Vision of the Department:

To achieve its own vision the Department of Computer Science and Engineering is committed to produce proficient professionals of global standard with respect to industry, academia, and entrepreneurship who can play a key role in their respective domain and become a responsible citizen for the sustainable growth of the society.

Department of Computer Science and Engineering has positioned itself as a robust unit to facilitate learning and skill enhancement, augmenting bright career opportunities, innovations and techno-commercial application it blends theory and practice with realistic hands on skills to equip graduates meeting the industry needs and mentor professionals for the industry in line with Government of India's mission to bridge the digital divide, smart E Governance and harnessing the potential of data analytics and ICT for a bright, congenial and secured nation.

The CSE Department provides Technological Leadership and Facilities as the Host Center of the Internationally most prestigious computer coding event ACM ICPC.



Mission of the Department:

To achieve its own Mission the Department of Computer Science and Engineering is committed to

- DM1:** To impart quality education with holistic development to produce professionals with leadership traits.
- DM2:** To impart knowledge on emerging technologies and entrepreneurship skills to produce technocrats of global standard and entrepreneurs.
- DM3:** To promote interdisciplinary work culture and opportunity to work in a team through collaborative research and project work.
- DM4:** To inculcate professional ethics and moral responsibility for a better society.

Program Educational Objectives (PEOs)

- PEO1:** Our graduates will establish themselves as effective professionals in industry, academia and entrepreneurship.
- PEO2:** Our graduates will become profound researchers in multiple domains.
- PEO3:** Our graduates will act as a leader in society.

PSO of CSE Dept:

Our undergraduate program students will have the:

- PSO1:** Ability to use efficient algorithm for designing and developing software applications and products.
- PSO2:** Ability to correlate computer science and core engineering subjects to solve real life problems across multiple domains.
- PSO3:** Ability to write code efficiently in competitive environment in national and international platform.

Degree Offered

4 Years Bachelor in Technology

The programme combines diverse frontiers of computer science and trains in integration and design of hardware and software application in large scale software systems with a focus on security and intelligent system requirements and provides comprehensive expertise on the industrial practices and projects.

Intake Capacity : 180 students

- 4 Years B.Tech in Computer Science and Engineering : 240 intake
- 4 Years B.Tech in Computer Science and Engineering (Cyber Security) 60 intake
- 4 Years B.Tech in Computer Science and Engineering (AI & ML) : 60 intake
- 2 Years M.Tech in Computer Science and Engineering : 18 intake

Career Opportunity

- Software Development
- Android System Development
- Integration Jobs
- Handling Big Data, Financial and Banking
- Database Management & Data Analytics
- Management of Enterprise Network & Cyber Security
- Multimedia and Animations, Digital Gaming

Specialized Facilities

The specialized facilities of a Computer Science and Engineering (CSE) department can vary depending on the resources available, the focus of the department, and its commitment to providing students with cutting-edge education and research opportunities. Here are some common specialized facilities you might find in CSE department like Networking Lab, Artificial Intelligence Lab, Computer Graphics Lab, Software Engineering Lab, Database Lab, Machine Learning Lab and many more.



DISTINGUISHED ALUMNI



Debadeep Pharikal

Working as Enterprise Architect at Ford Motor Co.USA

GNIT provides the best professors, courses and college experiences and produces innovative leaders. My experience at this institution allowed for academic and personal growth, which has embedded quite a zealous spirit within me, especially in regard to the achievement of my future aspirations in IT sector.



Sagnik Dutta

Working in Amazon.com and a leading TeesHood-a successful entrepreneurial venture.



Bipasha Banerjee

Working as Programmer Analyst at Thomson Reuters

GNIT provides its students with a plethora of opportunities. It has large campus, good infrastructure and plenty of study materials equipped to support academic growth.

Department of Information Technology

Spearheading Smart technology and Expanding Opportunity

VISION OF THE DEPARTMENT :

The vision of the Information Technology is to make leaders in Information Technology education in support of teaching and learning, and also to be the preferred source of quality technology education, research and community services delivery for the local, national and international levels.

The Department of Information Technology serves to integrate the benefit of Engineering, Science and Technology with National priorities and business opportunities. The department nurtures research and innovation and transform talents into IT professionals. The department is renowned for its quality education, placement, discipline and very good learning environment for the students. The department has an impeccable track record of producing brilliant alumni over the years who are performing creditably well with corporate giants like Infosys, TCS, Capgemini, Amazon, ITC, Cognizant, TechMahindra, Wipro, Tally, Accenture etc. A good percentage of students have gone for higher studies in reputed institutes of USA, Europe and India. The aim of the department is to enable students to acquire specialized technological skills, scientific knowledge, as well as to provide a basis for their personal, social and cognitive development.

**The Technical Backbone of the Biggest Digital
Movement in the world, Smart India Hackathon at GNIT
Nodal Center (2017, 2018, 2019) Organized by MHRD,
Government of India, AICTE**



MISSION OF THE DEPARTMENT :

- DM1:** To build a quality and cutting edge technology infrastructure.
- DM2:** Deliver quality, prompt and reliable technology education services.
- DM3:** Establish and maintain an effective academic environment for students.
- DM4:** Engage in emerging research areas and establishing leadership.
- DM5:** Contribute to the community services at large as well as catering to socio-economic goals in local and national levels.

Programme Educational Objectives (PEOs) :

- PEO1:** To prepare students to excel in graduate school or technical careers through a world-class, rigorous and competitive program in the field of Information Technology.
- PEO2:** To train students across the spectrum of basic and applied science, recognizing and exploiting common descriptions in disparate systems.
- PEO3:** To train students with sufficient scientific and Information Technology breadth to design and create novel solutions to real-life problems in computing domain.
- PEO4:** To develop students professional and ethical attitudes, effective communication and teamwork skills, and an ability to place science and computational issues and solutions within the broader societal context.
- PEO5:** To provide students with an academic environment committed to excellence and innovation that contributes for developing role ready individual with leadership, professionalism, and life-long learning for professional careers in the field of Information Technology

Programmed Specific Outcomes (PSO) of Information Technology :

- PSO1:** Graduates will be able to apply basic engineering knowledge to understand and analyze basic-complex problems in the field of Information Technology.
- PSO2:** Graduates will be able to provide optimized solutions for organizations and individuals through Information Technology specific skills.
- PSO3:** Graduates will be able to work in a group to manage projects and human resources in the field of Information Technology.
- PSO4:** Graduates will be able to contribute in the research and development field of Information Technology through the lifelong learning to serve the society and nation.

Program Outcome (Pos) :

- PO1:** Engineering knowledge: Graduates will be able to apply the basic knowledge in Mathematics, Science and Engineering fundamentals in the domain of Information Technology
- PO2:** Problem analysis: Graduates will demonstrate the ability to design, develop and test systems corresponding to real life problems under consideration including the physical models, interpret and analyze data, and report results and use experimental results for further expansion.
- PO3:** Design/development of solutions: Graduates will demonstrate the ability to design a digital system or a computational system or a process that meets demand driven specifications and requirements in Information Technology and research areas
- PO4:** Conduct investigations of complex problem. Graduates will have the ability to identify, formulate and solve service oriented architectural problems
- PO5:** Modern tool usage: Graduates will be familiar with state-of-the-art software tools and to analyze relevant engineering problems.
- PO6:** The engineer and society: Graduates will be broadly educated and will have an understanding of the impact of engineering on society and demonstrate awareness of contemporary and emergent issues.
- PO7:** Environment and sustainability: Graduates will have the confidence to apply engineering solutions in global and societal contexts.
- PO8:** Ethics: Graduates will demonstrate an understanding of their professional and ethical responsibilities.
- PO9:** Team work: Graduates will foster team spirit and elevate the enthusiasm in teamwork-concept of sharing in demonstrating their ability in technological solution as a part of specialized engineering and science laboratory teams, as well as on multidisciplinary design teams.
- PO 10:** Communication: Graduates will be able to communicate effectively in both verbal and written forms.
- PO 11:** Project Management and Finance: Understand the engineering and management principles and apply these to one's own work as a member and leader of a team to manage projects and in multidisciplinary environment
- PO 12:** Life-long learning: Graduates should be capable of self-learning and clearly understand the value of lifelong learning.

Courses Offered:

4 years B.Tech course in Information Technology : 120 seats

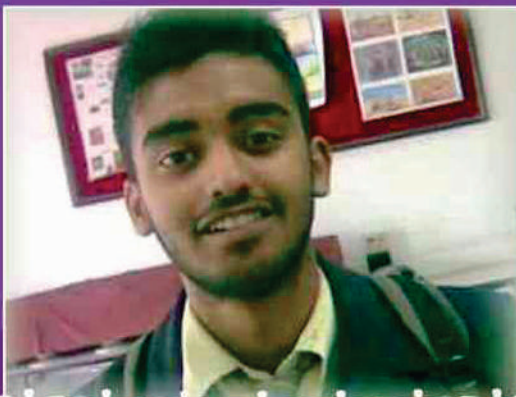
Career Opportunity:

- IT Consultancy.
- Cloud Computing & Architecture.
- Computer Forensic Investigator.
- Android App Developer.
- Web Developer.
- Software Engineering.
- Cyber Security.
- Artificial Intelligence & Machine Learning.
- Data Scientist.
- Multimedia & Game Developer.

GNIT Nodal Center, Smart India Hackathon Grand Finale



DISTINGUISHED ALUMNI



Akash Podder

Amazon Development centre India, 2016



Sayantani Neogi

Digital Forensic Analyst, Data 64



Department of Electronics & Communication Engineering

Embedding Skills at Global Standards

Vision of the Department :

To impart **quality education and excel in research** to create **centre of excellence** in the field of Electronics & Communication Engineering to produce **outstanding professionals** to become **future leaders** and **responsible citizens**.

The department provides inclusive environment to encourage students and faculty to work on cutting-edge research areas of wireless communication, robotics, VLSI chip design, automation, and intelligent systems. The department aims to train the students for industry compatible through hands-on workshops/Industry visit/ Industry exposure. Department plays a crucial role in enhancing the learning experience, providing practical exposure, and supporting research and development.

Mission of the Department :

- DM1:** To impart **high quality education** with **innovative** teaching-learning methodologies
- DM2:** To impart knowledge on **innovative** field of engineering and provide opportunity to work in a team on **interdisciplinary projects** for empowering ability to become **successful professionals**
- DM3:** To carry out **high quality research** through **collaboration** and interaction with **research organizations** and industries
- DM4:** To motivate to follow professional **ethics** and encourage to work for the sustainable growth of the **society**



Chatra Biswakarma
ECE Students at
Grand Finale - AICTE, New Delhi

Program Educational Objective (PEOs)

The Program Educational Objectives (PEOs) are established such that the program is preparing graduates to achieve career and professional accomplishments. Our graduates will be able

- PEO I:** To build up the concept of **core electronics subjects** with a strong foundation in the **engineering fundamentals** to **solve, analyze and design** the **real-life engineering problems**.
- PEO II:** To impart training on **emerging technologies** and provide opportunity to work in a **team** on **interdisciplinary projects** to inculcate **leadership quality**.
- PEO III:** To foster **interdisciplinary learning environment** to succeed in their **profession, higher education, research** and **entrepreneurial development**.
- PEO IV:** To imbibe **ethical attitude and life-long learning capability**.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- PO1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7:** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- PO9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Objective (PSOs)

Graduates of ECE program will be able:

- PSO 1:** To acquire deep analytical knowledge of Electronics and Communication Engineering to meet requirements of global consumers in Devices and communication sector and contribute to the society through govt. and Non Govt. Sectors.
- PSO 2:** To develop integrated systems in the field of Electronics and Communication by applying modern tools and skills to meet the challenges in Industry.
- PSO 3:** To apply innovation in the field of communication for designing IoT based systems along with AI and ML

Degree Offered

- 4 Years B. Tech in Electronics and Communication Engineering : intake For B.Tech: 120 students
- 2 years M.Tech in Electronics and Communication Engineering : Intake For M.Tech: 18 students
- 3 years Diploma in Electronics and Telecommunication Engineering (Affiliated by WBSCT & VE & SD) Intake : 30 students

Career opportunities in Electronics and Communication Engineering (ECE), highlighting high-demand and high-growth sectors:

- Telecommunications Engineer
- Embedded Systems Engineer
- VLSI Design Engineer
- Network Engineer
- Signal Processing Engineer
- Control Systems Engineer
- RF/Microwave Engineer
- IoT (Internet of Things) Engineer
- AI/ML Engineer (Electronics Focus)
- Robotics Engineer
- Aerospace Electronics Engineer

Specialized Facilities

A wide range of application oriented competencies with core specializations in VLSI & Microelectronics, Communication, Image processing & Neural Network and Embedded system are delivered through curriculum including a strong self-study component and mini projects at all levels so as to develop the students' independent analytical abilities. Opportunity for innovation and incubation is provided at this stage to successful projects by the institute for industrial standards. ECE department promotes active cross functional collaborative research in areas like robotics, human computer interface, SMART sensor etc. Vigorous exposure in Software Simulation environment (MATLAB, Ansoft HFSS, ORIGIN Tanner EDA Tools, FPGA Intellisuite, COMSOL, VISSIM etc.) accelerate learning and competence development.

Specialized Laboratory

- Electronics Device Lab
- Analog Electronics Circuits Lab
- Digital Electronics Lab
- Antenna & wave propagation Lab
- Analog & Digital Communication Systems Lab
- Digital Signal Processing Lab
- Computer Architecture Lab
- Digital Image & Video Processing Lab
- Embedded System Lab
- VLSI & Microelectronics Lab
- Control System Lab
- RF & microwave engineering lab
- Mobile Communication & Network Lab
- Python Programming Lab
- Object Oriented Programming using JAVA Lab
- Database Management System Lab
- Machine learning Lab
- Artificial Intelligence Lab
- Internet of Things Lab
- Project Laboratory

DISTINGUISHED ALUMNI



Lakshewari Jaiswal,
ITS Officer , Assistant Divisional Engineer,
Department of Telecommunication (DoT),
Ministry of Communication, Govt. of India
AIR -10 in UPSC-ESE 2020



Aritra Roy
Scientist 'C'
DRDO, Govt. of India



Mr. Utpal Ukil
Principal,
Govt. Industrial Training Institute
West Bengal

Departmental USP

- Special career guidance for future endeavour of students.
- Advanced curriculum and training/ Internship to prepare students for industry.
- Industry collaboration for student visit and knowledge sharing.
- Special classes for higher studies like GATE/ GRE etc.
- Special training on soft skill and technical development for student placement.
- Guidance for different national level Hackathon/Competitions/ Techfest.
- Exposure to collaborative research work under different Govt / Industry grants.
- Student Research publications in reputed Conference/Journals (SCI/Scopus).
- Assistance for Patent filing on student project.
- Social outreach programs and student counselling for holistic development.



AI/ Machine Learning Lab



IEEE Sponsored event Circuitathon- Techfest



ICT enabled / Smart classrooms



Robotics Hands-on



Social outreach program by ECE students



Department of Electrical Engineering

Empowering Lives through Enriching Education

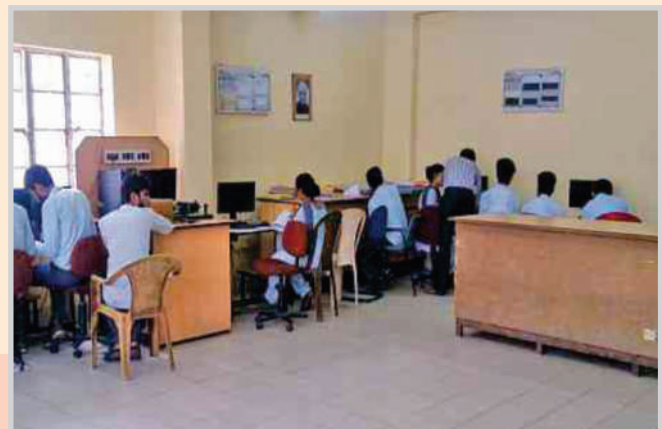
VISION OF THE DEPARTMENT

To achieve its own vision the Department of Electrical Engineering is committed To produce **new generation technologists and entrepreneurs** with **innovation and advanced research** by inculcating **world class education** to meet **industry expectations** and impart **sustainable growth of the society** in global perspective.

Department of Electrical Engineering aims to provide advance education in engineering that is relevant to electrical power generation, transmission, distribution and its utilization. Electrical engineering is a broad field of engineering which deals with the science and technology involving electricity, electronics, and electromagnetism, to design, construct, and maintain products, services, and information systems. Electrical engineering is the historical parent of what is now called electrical, electronics, and computer engineering.



Electrical Machines Lab



Measurement Lab

Mission of the Department

To achieve its own mission the Department of Electrical Engineering is committed

- DM1:** To impart quality education and innovative teaching learning methodologies.
- DM2:** To develop professionals with the ability of critical thinking and innovativeness to face the real life challenges in their respective domain.
- DM3:** To inculcate an urge of entrepreneurship, research and pursue higher studies.
- DM4:** To imbibe the spirit of moral values and ethics for the sustainable growth of the society.

Program Educational Objective (PEOs)

- PEO1:** To implant strong foundation in Science, Mathematics and Electrical Engineering to become successful professionals.
- PEO2:** To impart knowledge on emerging technologies and entrepreneurship skills to produce future leaders.
- PEO3:** To train students in developing ethical attitudes, strong communication skills and capacity to relate engineering issues in social and environmental context.
- PEO4:** To facilitate opportunity to work in a team in interdisciplinary projects for building leadership qualities.

PROGRAM OUTCOMES (Pos)

- PO1:** Engineering knowledge-Ability to apply the knowledge of mathematics, physical sciences and computer science and engineering specialization to the solution of complex engineering problems.
- PO2:** Problem analysis -Ability to identify, formulate and analyze complex real life problems in order to provide meaningful solutions by applying knowledge acquired in computer science and engineering.
- PO3:** Design-development of solutions -Ability to design cost effective software - hardware solutions to meet desired needs of customers-clients.
- PO4:** **Conduct investigations of complex problems** –Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions in the field of computer science and engineering.
- PO5:** **Modern tool usage** -Create, select and apply appropriate techniques, resources and modern computer science and engineering tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6:** **The engineer and society** - Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO7:** **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8:** **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9:** **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change

PROGRAM SPECIFIC OBJECTIVES (PSOS)

PSO1: To explore the ideas, methodologies and **cutting-edge technologies** in **Renewable Energy** and **Electric Vehicles** for gaining competence to solve energy related problems.

PSO2: To analyze, design and provide an **engineering solution applying knowledge** of Embedded System, Smart Grid, Power Electronics and Electric Drives.

PSO3: To use **modern software tools** for simulation, analysis and designing electrical and electronic Systems.



4 Years Bachelor Degree in Technology

Intake Capacity: 30 students

3 years Diploma in Electrical Engineering (affiliated by WBSCT & VE & SD)

Intake Capacity: 60 students

Electrical Engineering is one of the most exciting branches in the world. It lies at the very core of all infrastructure-building as well as developmental processes. The course provides an in-depth knowledge and competence into an interesting arena of power generation, transmission, distribution, utilization and mathematical analysis of all such systems.

Career Opportunity

- Power Generation and Control Engineering
- Power Transmission and Distribution
- Design and Manufacturing of Electrical Machines
- Device Design and Manufacturing
- Sustainable and Renewable Energy
- Services and Maintenance Industry
- Design and Implementation of Electrical Projects and Intelligent Systems

Domain of Specialization

- Power Electronics
- Electrical Machines
- Control System
- Measurement & Instrumentation
- Basic Electrical Engineering
- Power System, Power Transmission and Distribution
- Electric Drives
- Solar and Other Renewable Energy
- Testing of equipments and Application
- Software Pspice, Matlab, Multisim, My
- Power, Autocad, Etop and Pscad etc.



Project Based Learning Class



Practical Class



ALUMNI SPEAK

"I will never forget the 4 years that I spent in GNIT. The colourful fests..... Thank you GNIT for providing me with such a great infrastructure and amazing faculty who helped me throughout my tenure. And not to forget Placement Cell who gave me such a wonderful and great opportunity."

Abdulla Mamun

Hexatech International W.L.L Doha, Qatar

Department of Electronics & Computer Science

Engaging Technology Enriching Life and Transforming Economy

Vision of the Department

The Vision of the department is to create Electronics & Computer Science Engineers with outstanding technical competency in software and hardware to impart research aptitude for societal benefit.

This course provides the perfect balance of best of both worlds – Software driven by hardware which makes the transition to the world of job opportunities feel seamless.

The graduates from this course will be well equipped with the essential technical knowledge in both the fields of hardware and software, which in turn will widen the scope of job as well as research.

Apart from fundamentals of Electronics, ECS graduates get an exposure to build smart systems that develop Cyber Physical Systems and IoT. The students will also get to work in the domains of data science and data analytics.

This program will give exposure to advanced level knowledge in the design of complex software enabled electronic and microelectronic hardware systems.

Being an Electronics and Computer Science Engineer one gets to solve technical problems and develop products which lead to an overall intellectual development.



Mission of the Department

- M1:** To provide high quality technical education and training in response to the changing needs of industries and society through an innovative learning process related to Electronics and Computer Science.
- M2:** To develop employable and competent Electronics & Computer Science Engineers with high academic credentials and to inspire them to take up higher studies and research.
- M3:** To contribute towards the betterment of society by imparting practical skills and technical knowledge to the students.
- M4:** To make engineers with high professional ethics, social and human values and responsive to community needs.

Program Educational Objective (PEOs)

The Program Educational Objectives (PEOs) are established such that the graduates from this program can achieve their goal in their professional fields.

These program educational objectives are as given below:

- PEO1:** Graduates of Electronics & Computer Science program will be able to incorporate their knowledge to excel in professional career and also use the fundamental knowledge to enhance the power of invention, innovation & entrepreneurship.
- PEO2:** Graduates of Electronics & Computer Science program will have strong foundation in mathematical, scientific and engineering fundamentals necessary to formulate, solve and analyze engineering problems related to industry and research through lifelong learning.
- PEO3:** Graduates of Electronics & Computer Science program will be able to inculcate the professional and ethical code of conduct, communication skills, and team work so as to use technology for the progress to the society.

PROGRAM OUTCOMES (Pos)

Engineering Graduates will be able to:

- PO1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

- PO7:** Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO8:** Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- PO9:** Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO10:** Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Objective (PSOs)

Engineering Graduates will be able to:

- PSO 1:** Apply the fundamental knowledge of core Electronics and Computer Science domains in the analysis, design & development of different types of integrated electronic systems and also can utilize their fundamental concepts and methodology of computer systems in terms of software and hardware used in industrial environments.
- PSO 2:** Apply fundamental concepts and methodology of Electronics and Computer Science to establish themselves as a successful entrepreneur.
- PSO 3:** Use scientific & engineering fundamentals, skills & tools to formulate, solve & analyze software and hardware problems related to industry & research in the field of Electronics and Computer Science.



Degree Offered

4 Years B.Tech in Electronics and Computer Science : 60 students

- This field offers job opportunities, industry growth and good pay-packages as compared to all other branches.
- Placement opportunities in all the major sectors like software industries, core industries and communication industries.
- Modern and upcoming technology with opportunities for placement all over India.
- Wide scope of pursuing higher studies particularly for M.E / M. Tech / MS in India and abroad.

Intake Capacity : 60 students

Career Opportunity

- **Public Sector Units:** National Thermal Power Corporation (NTPC), Steel Authority of India Ltd. (SAIL), Indian Oil Corporation (IOC), Steel Authority of India Limited (SAIL), Oil and Natural Gas Corporation (ONGC), Gas Authority of India Ltd. (GAIL), Bharat Sanchar Nigam Limited (BSNL) etc.
- **Private Sector Units (hardware/automation):** Reliance Industries, Tata Steel, Honeywell Automation, Texas Instruments, ABB, Larsen & Toubro, Robert Bosch, Johnson Control, Tata Motors, National Instruments etc.
- **Private Sector Units (software/IT):** Tata Consultancy Services (TCS), Cognizant Technology Solutions (CTS), International Business Machine (IBM), Infosys, Wipro, Accenture, Capgemini, Price Water House Coopers (PWC), RS Software etc.



Departmental Infrastructure

- The Department is enriched with PhD Qualified faculty & Industry Experienced Faculty Members with 15+ years of experience.
- Technical Assistants with 12+ years of experience.
- There are 6 state-of-art laboratories with all modern facilities and high-end computers.

Department of Food Technology

Technology to one of the Biggest Economies in the world

VISION OF THE DEPARTMENT:

Keeping in line with the Institutional Vision, the Departmental Vision is:

DV: To become a nationally and internationally recognized institution of Food Technology by producing competent food technologists with respect to industry, research and entrepreneurship leading towards sustainable growth of the nation and imparting service to the society.

Food Technology is a multidisciplinary field of engineering, applied physical sciences & microbiology. Food processing industry is one of the largest industry in India and is ranked 5th in terms of production, consumption and export. It generates consistently huge employment opportunities in food processing, industries handling products of fruits and vegetables, dairy, meat, poultry, fishery, consumer's foods, grains, alcoholic drinks, aerated water, soft drinks, spices etc.

MISSION OF THE DEPARTMENT:

To achieve its own vision the Department of Food Technology is committed to

- DM-1:** To facilitate high quality teaching to produce graduate of international standard
- DM-2:** To prepare students to face challenges in their professional life through skill development
- DM-3:** To promote interdisciplinary work culture to acquire knowledge through research activities and interaction with industries
- DM-4:** To motivate students towards sustainable development of the nation and society through professionalism, proper education, research and social service.



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PROGRAM EDUCATIONAL OBJECTIVES (PEOs):

- PEO 1:** Graduates will apply the knowledge of engineering to design product and process by analyzing and interpreting experimental data
- PEO 2:** Graduates will use modern techniques, skills and engineering tools necessary in food processing sectors for sustainable development.
- PEO 3:** Graduates will impart knowledge of professional and ethical responsibilities toward the society.
- PEO 4:** Graduates will work in multi-disciplinary fields as a team player or a team leader.
- PEO 5:** Graduates will pursue higher education, research and other creative and innovative efforts in food technology domain through life-long learning.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- PO1:** Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- Po2:** Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO3:** Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO4:** Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO5:** Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO6:** The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
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- PO11:** Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Po12:** Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs):

PSO 1: Graduates will be able to comprehend the concepts of Food Technology and to apply them in various areas like food processing, preservation, packaging, analysis, quality control etc.

PSO 2: Graduates will be able to use modern computing technology, analytical skills and engineering tools necessary in food technology and innovation in global and social context.

PSO 3: Graduates will have a successful career and to support devotion for real-world applications using optimal resources as an Entrepreneur in the field of Food Technology.

Degree offered

4 Years B.Tech in Food Technology : 60 students

2 Years M.Tech in Food Technology : 18 students

Specialized Facilities

Food Microbiology
Food Processing Technology
Unit Operations
Food Analysis and Quality Control
Chemistry of Food
Bio Chemistry
Microbial Technology
R & D Lab

A multidisciplinary programme of significant social and economic importance and catering wide range of highly rewarding career opportunities consistently through the years. It is an ideal launch pad for R&D Career and Higher Studies at International Levels. Intake Capacity: 60 students.

Career Opportunity

Food Processing

Dairy Technology`

Manufacturing of alcoholic drinks, aerated water, soft drinks.

Meat, Poultry, Fishery

Industries handling products of Fruits and Vegetables, Consumer's Foods, Grains, Spices etc



"My UG journey with FT Department was memorable. Being mentored by extraordinary faculties and getting world class research and practical experience was very essential foundation for future."

Mr. Debjit Ghosh

International Business Development Manager
and Private Public Partnership Project manager
Donlimon, Hamburg, Germany

Department of Computer Applications

Engaging Technology in an Integrated Globe

VISION OF THE DEPARTMENT

The Department of Computer Applications aims to produce technically competent, skilled IT professionals, researchers and entrepreneurs with the ability to apply their knowledge in IT industry, research & development or in entrepreneurial arena and they can meet the challenges in modern IT industry.

The Department of Computer Application is devoted to impart industry oriented study and research of computer science at graduate and post-graduate levels. The department has the tarck record of producing several batches of young, trained and talented individuals who have made their mark in software organizations like Tata Consultancy Services (TCS), Wipro, Cognizant (CTS), Infosys, ITC Infotech, Capgemini as well as other non-software companies like Biskfarm, WBSEB and many more. The students are employed in the sectors like coding, testing, data base designing, data base administration, network administration, web designing, cyber security, project management etc. Also the students have done well in higher academics in India and abroad. The combination of competent and vibrant faculty members, modern infrastructure and state-of-the-art technical resources give an extra edge to the young technocrats. Dedicated Labs, well equipped Library, Technical and Communication skills grooming along with regular industry exposure and interaction with various disciplines of GNIT are important value additions.



Program Educational Objective (PEOs)

- PEO 1:** To excel in professional career and higher education, research by acquiring knowledge and skills in core and allied domain for holistic development.
- PEO 2:** To produce successful professionals in industry, government, academic research, entrepreneurial pursuit and consulting firms.
- PEO 3:** To develop the capability to analyze real life problems, design computing systems appropriate to its solutions that are technically sound, economically feasible and socially acceptable.
- PEO 4:** To exhibit professionalism with strong human values and professional ethics, team work in their profession and adapt modern trends by engaging in life long learning.

Program Specific Outcomes

- PSO 1:** Develop the ability to apply knowledge and skills to solve the real life problems.
- PSO 2:** Develop the ability to work in a team with the ability of leadership, analytical reasoning for problem solving, critical thinking and strong human values of a responsible professional.
- PSO 3:** Ability to enhance and develop techniques for independent and lifelong learning in computer application.
- PSO 4:** To acquire In-depth knowledge & sustained learning that leads to innovation and analyze the societal needs to provide novel solutions through technology based research.

Program Outcomes

- PO-1:** Able to analyze the real life complex problems, formulate suitable solutions with the applications of knowledge and problem solving skills
- PO-2:** Master to design and implement computing system to meet the trending modern needs within realistic constraints such as safety, security and social responsibilities.
- PO-3:** Develop the ability to engage in continuous learning and self-upgrading as a Computing Professional.
- PO-4:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
- PO-5:** Ability to understand professional, ethical, legal, moral and social diverse issues and responsibilities
- PO-6:** Understanding the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
- PO-7:** Introduce and involve students with problem analysis, evolutionary tools and formulation techniques related to hardware and software.
- PO-8:** Ability to work effectively, individually and on teams, including diverse and multidisciplinary domains to accomplish a common objective
- PO-9:** Communicate effectively on complex situations with technological views and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- PO-10:** Understand the real-world problem and concede professional development by pursuing higher studies and other challenges like examination, interview etc at national and international level
- PO-11:** Appropriately apply research methodologies, techniques and tools, design, conduct experiments, analyze and interpret data in a broader perspective.
- PO-12:** Demonstrate knowledge, opportunities and use innovative ideas to create ideas for the betterment of the Individual, organization and society.

Department of Business Administration

Degree offered: BBA (Bachelor of Business Administration)

A bachelor's in business administration is the gateway to numerous job opportunities in a multitude of sectors like Marketing, Education, Finance, Sales, and Government. The BBA program offers education and training in management and leadership skills to prepare students for managerial roles and entrepreneurship. Students learn multiple aspects of business management through lectures, practical projects, and internships. This program is meant for those who want to pursue a career in the corporate management sector.

Subjects

The BBA curriculum is designed in such a way that the students get ample industry exposure and training. It helps you prepare for real-world experiences and reach smart business conclusions through empirical analysis, such as planning how an organization operates day-to-day in the face of ongoing changes and challenges.

Advantages of BBA course

- **Highly In-demand course:** Skilled managers and individuals having a business mindset are highly in demand. From small business groups to MNCs, management roles are always available.
- **High salary potential:** Everyone desires a good salary, as compared to other employees, BBA graduates are highly compensated for their skills and management decisions. The salary we would receive after completing a course might influence our decision while selecting a course. Fortunately, BBA does well on this test.
- **Knowledge of FAME:** The fame group subjects include Finance, Accounting, Management, and Economics. These subjects are highly in demand worldwide. BBA prepares you for the same and there are ample opportunities worldwide.
- **High earning potential:** The amount that you invest in online BBA courses is worth it. Money can be a crucial factor that affects our decision. After doing BBA you'll have a lot of exposure and employable skills that'll help you land your dream job. By the time you graduate, there will be a lot of opportunities waiting for you. Hence this course is value for money.
- **Develops interpersonal skills:** BBA as a course molds your personality and grooms you to face the world with confidence. Communication is one of the most critical abilities for success in practically every industry. Good communication skills make you more approachable, making it simpler to make a lasting impact on anyone.
- **Leadership:** Leadership quality is required in every step of life. Leadership and decision-making abilities move hand in hand, and BBA prepares them for that. Once you complete your BBA, you'll be required to manage people under you.

Imparts entrepreneurial skills: BBA promotes entrepreneurial drive in students. It prepares them to start their own business venture by imparting the required acumen.

Bachelor's Degree In Hospital Management

Our Vision

We are determined to create academic excellence that prepares students to fulfill their academic, professional and social goals & can produce the best human resources who are equipped to address the increasing demand and professional necessities of the modern healthcare industry.

Mission

We are dedicated to form a unique Center of learning with multidisciplinary activities where young students are transformed into trained and knowledgeable professionals, ready to face the challenges of the modern world.

Subjects Covered

- Principles of Management
- Human Resource Management
- Healthcare Marketing
- Medical Records Science
- Hospital Operations Management
- Hospital and Health Systems
- Organisation Behaviour

Infrastructure

- Class to attend lecture & participation
- The auditorium for extra-curricular activities
- Computer lab available
- The library to enhance knowledge
- Hostel accommodation for feeling like home
- Sports, Medical & other facilities available

Training & Placements

- Apollo Gleneagles Hospital
- Peerless Hospital
- B.M. Birla Heart Research Institute
- Ruby General Hospital
- Fortis, Anandapur

Departmental Activities

The department organized student development programmes such as seminar, Inter college competition, group discussion etc. Hospital training and visit in summer and winter recess are the regular programme. The department prepares Project report for hospital industries. The department conducts counseling with the students twice in a week. The departmental faculties are involved in R&D activities in the area of Waste Management, Inventory Management, Human Resource Management etc. The department conducts Adjunct Faculty lecture classes and Industry Mentor Meet, Parent Mentor Meet in each semester. Others - Publishing Wall Magazine (Semesterwise), Participation in Model Display, Industry Interaction Activity, Adjunct faculty talk, Alumni meet.

Training Exposure

- After 4th Semester, 2 months of training programme is conducted
- After 6th Semester, 3 months of training programme is conducted at esteemed hospitals

Placement Record : Hospital Management, GNIT



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SUDIPTA BISHNU
INTERNATIONAL BUSINESS DEVELOPER



BARNALI GHOSH
JUNIOR EXECUTIVE HR
INSTITUTE OF NEUROSCIENCES, KOLKATA



SANJAY BISWAS
EXECUTIVE ADMIN
JIS HEAD OFFICE



PAYEL BANNERJEE
EXECUTIVE OPERATION
VIVEKANANDA HOSPITAL PVT.LTD



KEYA KARMAKAR
DATA ANALYST
TATA CONSULTANCY SERVICES



AYANTIKA DAWN
JUNIOR EXECUTIVE
APOLLO CLINIC NEWTOWN



MRIDUL DUTTA
PATIENT RELATIONSHIP OFFICER
CHARNOCK HOSPITAL



SAYAN KARMAKAR
DATA ANALYST
TATA CONSULTANCY SERVICES



ARNAB DUTTA GUPTA
TRAINEE, OPERATIONS
RUBY GENERAL HOSPITALS



SAYANTIKA MAYUR
ACADEMIC ADMINISTRATIVE
MEDICA SUPER SPECIALITY HOSPITAL



SRILEKHA DEY
JUNIOR EXECUTIVE
TATA MEDICAL CENTRE

Department of Data Science and Cyber Security

Courses offered :

B.Sc in Data Science B.Sc in Cyber Security

Vision of the Department

To become a leading department in the fields of Data Science and Cyber Security, education, research, and innovation, producing highly skilled professionals who can contribute to the development of intelligent systems and solve real-world problems.

About the Department

The Department of Data Science and Cyber Security at GNIT is dedicated to providing its students with a comprehensive education in the rapidly evolving and highly important fields of Data Science and Cyber Security. The department is committed to fostering a culture of innovation, research, and entrepreneurship, enabling students to become leaders in the industry and academia.

Mission of the Department

- To provide students with a strong foundation in Data Science and Cyber Security concepts, algorithms, and techniques.
- To encourage interdisciplinary research and collaboration with industry partners to address real-world challenges.
- To nurture creativity, critical thinking, and problem-solving skills among students.
- To promote ethical practices and social responsibility in the development and application of Data Science and Cyber Security technologies.

Program Educational Objectives (PEOs)

- Graduates will possess the knowledge and skills required to design, develop, and deploy intelligent systems in various domains.
- Graduates will be able to contribute to cutting-edge research in Data Science and Cyber Security, leading to innovative solutions and publications.
- Graduates will demonstrate leadership qualities and entrepreneurial spirit, creating value for their organizations and society.

PSO of Department of Data Science and Cyber Security

- Ability to apply Data Science and Cyber Security techniques to solve complex problems in diverse fields such as healthcare, finance, and transportation.
- Proficiency in using state-of-the-art tools and libraries for Data Science and Cyber Security development.
- Capability to design and implement safe and secured systems and analyse and interpret data

Career Opportunities:

- Cyber Security Professional
- Data Scientist
- Robotics Engineer
- Natural Language Processing Specialist
- Computer Vision Engineer
- Autonomous Systems Developer

Specialized Facilities:

- Cyber Security Lab
- Digital Forensic Lab
- Data Science lab

The Department of Data Science and Cyber Security at GNIT is committed to providing students with a world-class education and exposure to cutting-edge technologies. Through a blend of theoretical knowledge and practical experience, students will be well-prepared to tackle the challenges of the AI-driven future and make significant contributions to the field.

Congratulations!



Arnab Chowdhury
Adarsh Pandey

Dept. of Computer Science & Engineering
for being Placed at



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Congratulations!

Dept. of Hospital Management,
2024 Pass Out

for being Placed at



Keya Karmakar

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Congratulations!



Suditi Jana

Dept. of Food Technology
for being Placed at



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Congratulations!

For being Selected as
Graduate Trainee

at
Tata Consultancy Services Limited (TCSL)



Shriparna Das
B.Sc in Cyber Security

All the Best for your Future!

www.gnit.ac.in 157/F Nilgunj Road Panihati, Kolkata www.jsgroup.org

Congratulations!



MS. SHARMEEN NAAZ
Department of Food Technology
(Batch of 2024)

for Qualifying
G.A.T.E.

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Congratulations

JOYITA KHAN
Food Technology

Placed at
Keventer Agro Limited



www.gnit.ac.in www.jsgroup.org

Congratulations!



Manas Das

Diploma in Electrical Engineering
Class of 2024
for getting Multiple Offers from



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Congratulations



AMRITA CHANDA
Electrical Engineering

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Congratulations



SHREYASHREE SARKAR
COMPUTER SCIENCE AND ENGINEERING

PLACED IN



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Congratulations



SUMEDHA BHATTACHARYA
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Congratulations

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Electronics and
Telecommunication
Engineering

Placed in



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Congratulations!



Padmanava Banerjee
Anirban Sarkar

Dept. of Electronics and
Communication Engineering
for being Placed at



Dept. of Electronics and
Communication Engineering
for being Placed at



All the Best for your Future!

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Electrofusion 6.0

Organised by Department of Electronics and Communication Engineering



ADSOC-5.0-International-Conference

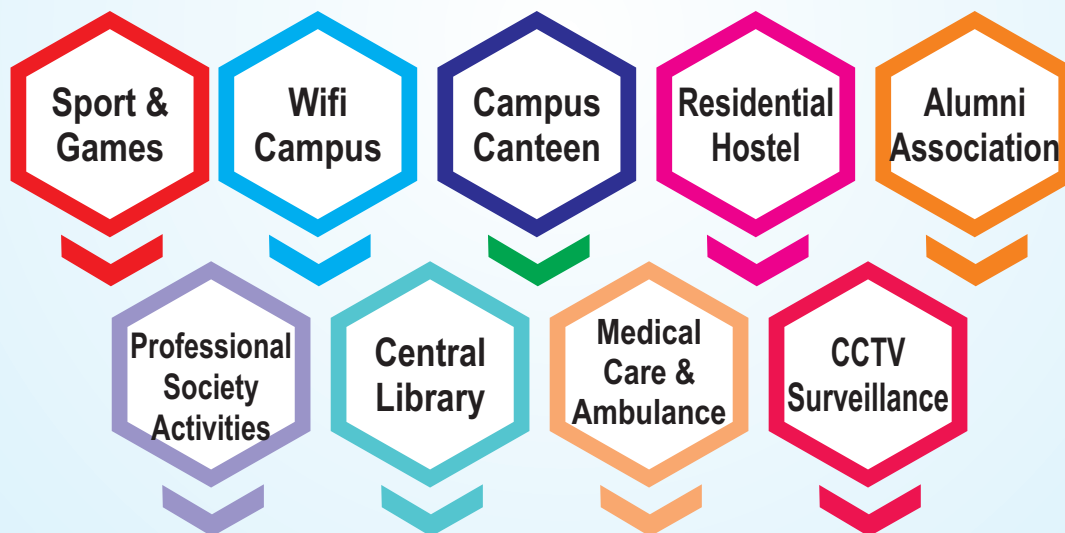


Orientation-2024 welcoming New students



Cyber Security Awareness & AI Workshop

Some Companies who recruited our Students



GURU NANAK INSTITUTE OF TECHNOLOGY

📍 157/F, Nilgunj Road, Sodepur, Kolkata - 700 114

Phone : 91-33-2523-3900 | Tel Fax : +91-33-2563-7957

🌐 www.gnit.ac.in ✉ E-mail : info.gnit@jisgroup.org / admission.gnit@jisgroup.org

CAREER COUNSELING AND ADMISSION HELP LINE

📞 Call at +91 9432012681 / +91 9073683911 or

📱 WhatsApp at +91 9432012681