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Genesis of GIST

Born on the lap of Haldia in 2006, Global Institute of Science and Technology aims at striving excellence in the field of academia. Considering the importance of science and technology in today's fast paced world, the institute aims in delivering quality education that would cultivate and enrich the minds of the youth and help them achieve success in their lives. As a significant part of Indian Centre for Advancement of Research and Education (I.C.A.R.E.), GIST has always promoted societal wellbeing and cordial relationship among its peer members which facilitates the nourishment of individual minds, allowing them to grow in every sphere of their lives. The institute provides multi-dimensional activities to its students. Apart from focusing on the academic growth of each student, the institute also takes care of the fact that students also take part in other co-curricular activities, such as, sports, cultural and technical festival, workshop, seminars etc. GIST is also accredited by National Board of Accreditation (NBA), Delhi, as recognition of excellence for its continuous quality improvement and developmental approach in the field of technical education.

VISION

Ensuring skill development by imparting Quality Technical Education so as to create dynamic human resources.

MISSION

Imparting creative learning by innovative methodologies to expose the talents by the way of West Bengal State Council for Technical and Vocational Education & Skill Development. (WBSCT&VE&SD) curriculum.

PROGRAM OUTCOMES (POs):

PO1 Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2 Problem analysis: Identify and analyse well-defined engineering problems using codified standard methods.

PO3 Design/ development of solutions: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO4 Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO5 Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO6 Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO7 Life-long learning: Ability to analyse individual needs and engage in updating in the context of technological changes.

3 Years Diploma (Polytechnic: 1st Year)

Direct Admission:
- 25% seats of intake are reserved for direct admission.
- Candidates who have passed Secondary examination of the WBBSE or
its equivalent examination from recognized Board/Council/Institute with English, Mathematics & Physical Science/Science/Science & Technology are eligible.

Admission through central counselling system by WBSCT&VE&SD:
- 75% seats of intake are available for admission through central counseling process.
- This admission process will be conducted by WBSCT&VE&SD.

Candidate should not be born after 01.07.2010 and there is no upper age limit,

3 Years Diploma (Polytechnic: 2nd Year)

Passed Higher Secondary or 10+2 Board Examination with Physics/ Chemistry/ Biology/Mathematics/Agriculture/Computer Science/Electronics/Informatics Practices/ Biotechnology/Technical Vocational subject/Engineering Graphics/Business studies/ Entrepreneurship or completed 2 years course from ITI or vocational after class 10 or Equivalent.

Admission through Lateral entry:
- **10% seats** of intake are available for admission through central counselling process conducted by WBSCT&VE&SD.

INTAKE CAPACITY
All courses are affiliated to WBSCT&VE&SD, approved by AICTE, New Delhi

Cources	Seat Capacity
Diploma in Civil Engineering (DCE)	120
Diploma in Mechanical Engineering (DME)	120
Diploma in Electrical Engineering (DEE)	180
Diploma in Computer Science & Technology (DCS&T)	120
Diploma in Fire Technology & Safety (DFT&S)	60
Diploma in Information Technology (DIT)	60

4 Years Bachelor Degree Courses

BCA
The students must have Mathematics/Computer Application/Computer Science as a subject of study in class 12. Candidates must appear CET Examination conducted by MAKAUT, West Bengal.

| Courses	Seat Capacity
Bachelor in Computer Application (BCA)	60
Approved by AICTE and Affiliated to MAKAUT, WB	

NBA Accreditation

Education is a dynamic force that shapes our knowledge and builds wisdom. Hence education Should be value intrigued, outcome based and research-oriented to ensure the outflow of knowledge in society at large.

National Board of Accreditation (NBA), a statutory body of Washington Accord, formed in 1987 by AICTE, is such a regulatory body that maintains, evaluates and brings mobility, enrichment and up gradation in the education system of India. Its aim is to assess the qualitative competence of an institution to provide best education in society.

The purpose of the accreditation by NBA is to promote and recognize excellence in technical education in colleges and universities - at both the undergraduate and postgraduate levels. The goal of accreditation is to demonstrate the reliability of the results and/or the credibility of the certificates issued by the body. GIST has gone through the NBA accreditation process, proved its excellence and has earned the accreditation for 4 technical courses CE, ME, EE and CST in this current academic year which has surely added a feather in its crown.

This journey was not easy. In fact no journey for success ends up without toil and hardship. This accreditation process, in turn, has made us more prudent, matured and has evoked a thirst for continuous growth within us.

The unsettled zeal has set our goal and commitment to be the best of bests in society by providing the quality technical education with best possible infrastructure under the well defined parameter of NBA to produce skilled technocrats who can serve the nation with utmost sincerity, dedication and knowledge.
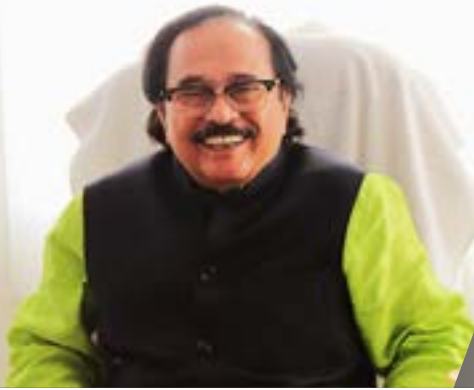
Indian Centre for Advancement of Research and Education (ICARE) was established at the end of 1995 with a missionary zeal. It is a non-profit making voluntary organization registered under societies registration act 1961, dedicated to promote, establish, run and maintain value based Educational Institution of Excellence and commensurate with growth of Industry in and around Haldia in the district of Purba Medinipur, West Bengal, India. ICARE can now boost up a galaxy of cream products in the field of Engineering, Medical Science, Technology, Para Medical, Law and Management.

The emergence of Liberalization, Privatization and Globalization and the phenomenal achievements in the field of science and technology have necessitated the demand for technical man power. Industrial development requires a large number of properly trained personnel. The prosperity of a country depends on her industry and industry depends on technical knowledge

The establishment of Global Institute of Science and Technology (GIST), we do believe, will fulfil the aspirations and cherished dreams of the aspirants in the region as many production units are being established here to catch the benefits of the industrial development. The institute has got the perfect ambience to establish itself as "Centre of Excellence" in the field of science and technology and our faculties/instructors and administrative officials are committed to put in the most ultimate and genuine efforts for achieving the desired professional and academic excellence.

It is patent beyond the shadow of doubt that Gist does possess the requisite academic commitments to emerge a premiere institute of learning in science and technology in India in the near future. Also, it is a great pleasure for us that we have crossed a grand milestone of 17 Years with the two new Diploma Courses of **Fire Technology & Safety Engineering** and **Information Technology** from last year with cordial collaboration and association of students, guardians, staffs and the management. I would like to convey my heartfelt gratitude and appreciation to all of them.

Dr. Lakshman Chandra Seth

Phd, D.Litt.
Former MP
Chairman ICARE

5

From the desk of Secretary

Our India is a village centric country where the difference of cast, creed, cult and degrees are very clear. Between these all good and bad the urbanized people accepted the artificial civilization very easily in comparison to those little learned rustics, as a result they are getting more advance in the way of dexterity. But most of the half trained labourers' of the rural areas are craving for jobs in the unorganized sectors still now. Analytically the productivity in the organized sectors in many times the basic level industries can't afford skilled workers. And here lies the benefits of these low-born, unprivileged, tribal communities.

India, being a progressive nation, is now standing at a critical juncture of its growth trajectory with a huge and growing young population, a booming economy and a tremendous unmatched potential to emerge as a global superpower in future. In spite of facing numerous reverberating challenges in Covid-stricken era, our nation has ensured its growth due to its strong demographic, societal and human factors.

Since education always plays a pivotal role in securing the economic and societal progress, manpower-productivity and technological advancement, GIST, being one of the premier institutions of the state, is very much committed to imbibe quality and value based education among the students that should reflect in their future endeavour.

GIST offers different engineering program with two new courses of **Fire Technology & Safety Engineering** and **Information Technology** from last year to provide outcome based education, holistic approach towards interdisciplinary curriculum; project based academic activities, continuous assessment with imagination, creativity and ethical values.

GIST lures techno-aspirants all over the state to explore novel areas of technical education and dissemination of knowledge which in turn creates job opportunities in market. I am quite sure that the insignia of GIST will be inscribed within the thousands of technocrats who are now successfully contributing towards making India technology independent.

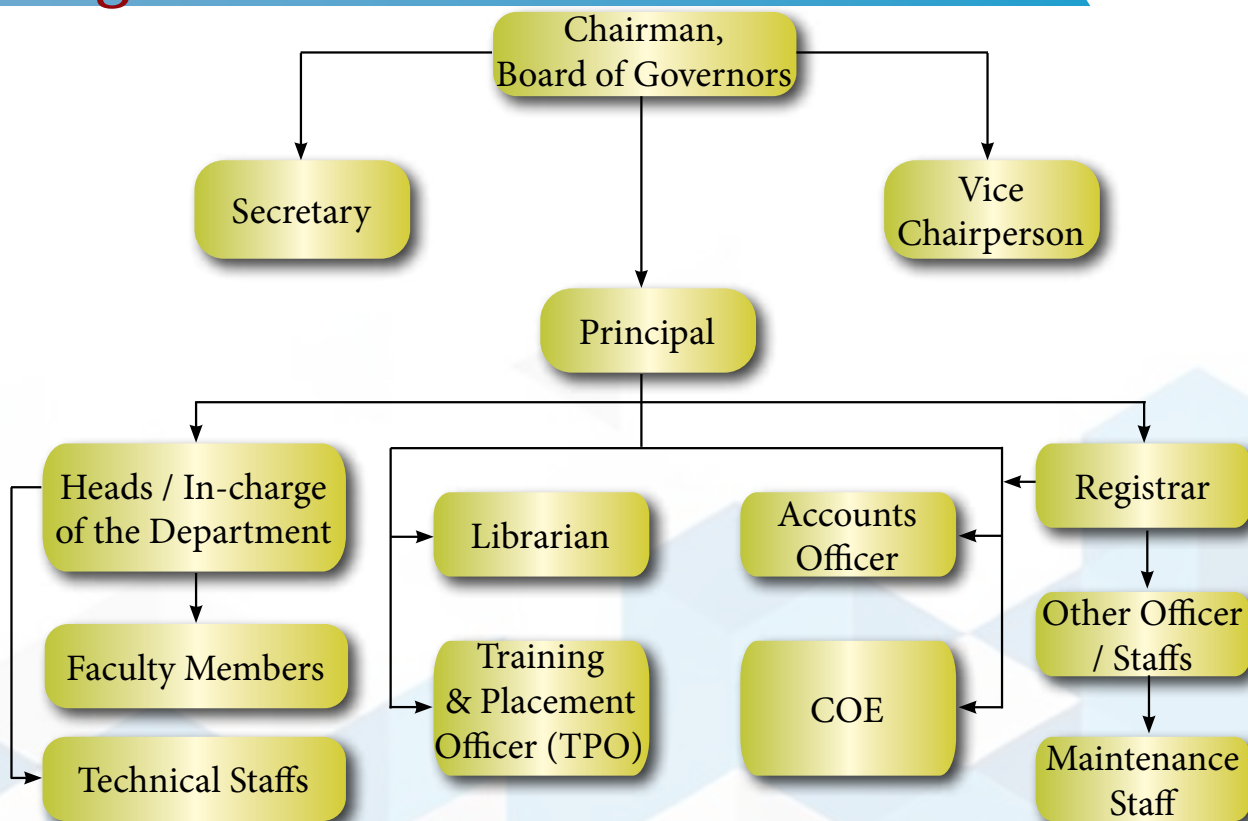*Mr. Asish Lahiri*
Secretary
GIST & ICARE

Dear Student/Parent,

Global Institute of Science & Technology, Haldia established in 2006 under ICARE and since then has been rendering yeoman's service among all the Institutes. It gives me immense pleasure to say that we have completed 18 glorious Academic Years. Since 2006 we are growing and grooming in the future to aim the goals of an individual which will be conducive to uplift them and reach their acme. "The future belongs to those who believe in the beauty of their dreams" Engineer and Technologists from the backbone of any nation's economic development and with globalization in the completion in all walks of life has just become steeper. So, in the context an Institute Like, GIST which is now in the race of toppers striving to maintain the quality of education to match the demands of the time. With the support of such qualified dedicated and hardworking faculties the Institute has really achieved enviable ranking in the short span and I have no doubt that with the moving time we will surely march ahead surpassing other eminent Institutes. I must mention the name of Honble Dr. Lakshman Chandra Seth, Ph.D, D.Litt., Former MP, a well-known person and the Chairman of GIST who took his vision beyond to put the effort to impart value based education not only in studies but also in personality development. Today, GIST is one of the most sought after institute for fresh aspiring diploma engineering students. Four Diploma programs of the Institute (i.e. CE, ME, EE and CS&T) are accredited by the National Board of Accreditation (NBA), with effect from June 2022. It is a great pleasure for us that we have crossed a grand milestone of 18 Years with the two new Diploma Courses of Fire Technology & Safety Engineering and Information Technology from last two years with cordial collaboration and association of students, guardians, staffs and the management.

We firmly believe that we shall be counted amongst the best at the national level in the years to come. "A desire can change nothing a decision can change something but a determination can change everything" So, as soon we understand the problem, we can solve it in their domain with strong innovative ideas with scientific knowledge.

Dr. Bikramjit Chaudhury
Principal, GIST

Organogram

```
                    Chairman,
                    Board of Governors
                    /        |         \
            Secretary    Principal    Vice
                          /  |  \      Chairperson
                         /   |   \
        Heads / In-charge   Librarian   Accounts    Registrar
        of the Department               Officer
              |                                        |
        Faculty Members    Training              Other Officer
                           & Placement    COE    / Staffs
        Technical Staffs   Officer (TPO)              |
                                              Maintenance
                                              Staff
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Board of Governs

Sl. No.	Name	Designation	Email Id
1	**Dr. Lakshman Chandra Seth Ph.D, D Litt.**	**Chairman**	**gist.chairman@gmail.com**
2	Dr. Sparsita Panda Seth	Vice- Chairperson	gist.vc@gmail.com
3	Sri. Asish Lahiri	Secretary	gist.secretary@gmail.com
4	Sri. Sayantan Seth	Member	gist.member1@gmail.com
5	Sri. Sudipton Seth Legal Consultant	Member	gist.member2@gmail.com
6	Nominee of Regional Officer, AICTE Eastern Regional Office	Member	
7	Nominee of West Bengal State Council of Technical Education, W.B. (Affiliating body of Technical Education)	Member	
8	Director of Technical Education (Nominee of the State Govt.)	Member	
9	Representative from IPCL (Industry Nominee)	Member	
10	Representative from HPCL (Industry Nominee)	Member	
11	Principal Global Institute of Science & Technology	Member	principal@gisthaldia.org

Administrative Staff

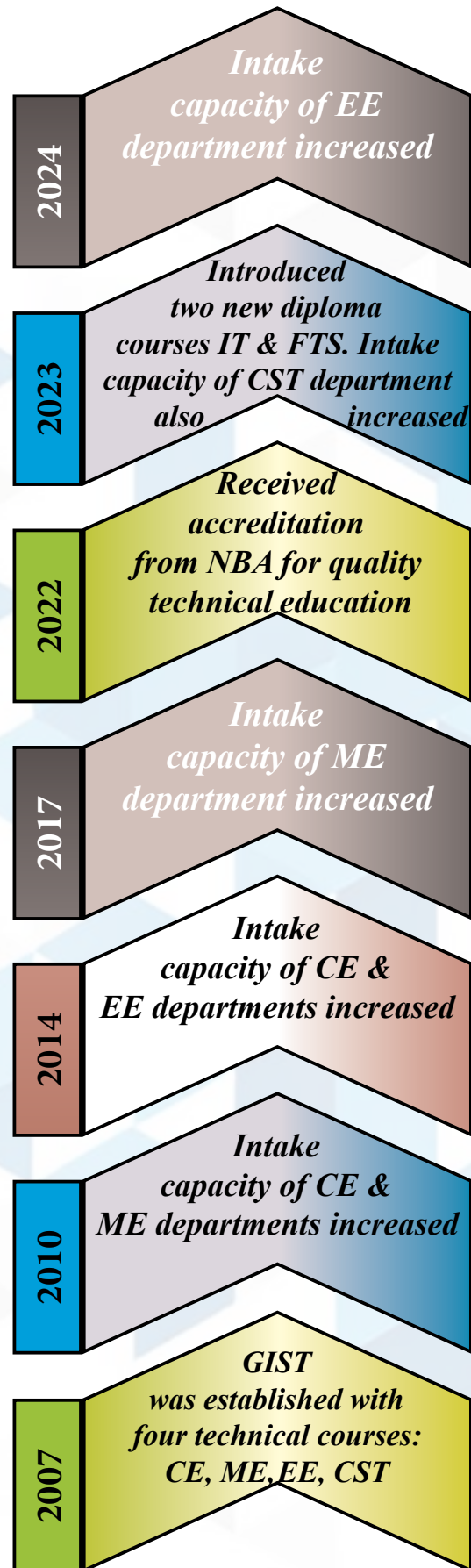| SL. No.	Photo	Name of the staff	Qualification	Designation	Email ID
01		*Dr. Bikramjit Chaudhury*	B.Tech (CSE), M.Tech (CSE), Ph.D. (CSE)	Principal	principal@gisthaldia.org
02		*Dr. Subimal Das*	M.Com., MBA, LLB, LLM, Ph.D. in Management	Registrar	registrar@gisthaldia.org
03		*Mrs. Pritha Mukherjee*	M.Sc. (Econometrics & Statistics), PGDHRM Ph.D. in Mgnt (Pursuing)	Controller of Examinatins	mpritha49@gmail.com
04		*Mr. Parimal Maity*	M.Com. B.Ed. MBA (Finance)	Accounts Officer	parimalm@yahoo.com
05		*Mrs. Maitreyee Samanta*	M.Sc. (Chemistry), Ph.D. (Pursuing)	Training and Placement Officer	maitreyee.samanta98@gmail.com
06		*Mr. Manoj Manna*	Diploma in Civil Engineering	Assistant Engineer	manoj.debhog@gmail.com
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08		*Mrs. Sudipta Jana*	B. Com., MBA (Finance)	Assistant Accounts Officer	sudiptaghosh221@gmail.com
09		*Mrs. Anupama Tung Manna*	B.Com.(H)	Senior Accountant	anupama_manna952@gmail.com
10		*Mr. Dipen Panda*	B.Com., M.Lib.Sc.	Library In-charge	dipenpanda75@gmail.com
11		*Mrs. Bidisha Dey Debnath*	B.Sc.	Office Executive	mistu160674@gmail.com
12		*Mr. Partha Samanta*	B.A.(H) in Sociology, M.A. (Environmental Studies), MBA (HR)	Office Executive	parthahaldia1988@gmail.com
13		*Karishma Pandey*	MBA (Marketing)	Assistant Training and Placement Officer	tpoasst@gmail.com
14		*Souvik Jana*	B.Tech (Mechanical Engineering)	Assistant Training and Placement Officer	souwik.atpogist@gmail.com
15		*Sunit Seth*	B.Tech (Computer Science and Engineering)	Assistant Training and Placement Officer	sunitseth.atpo.gist@gamil.com

Administrative Staff

SL. No.	Photo	Name of the staff	Qualification	Designation	Email ID
16		*Sk. Ebrahim*	M.A. (His)	**Senior Office Assistant**	**sk.ebrahim12345@gmail.com**
17		*Mr. Pijush Pramanik*	B.A.	**Senior Library Assistant**	**pijushgist@gmail.com**
18		*Mr. Avijit Debnath*	B.Com.	**Accountant**	**avijit271169@gmail.com**
19		*Mrs. Soumi Parua (Das)*	B.A.	**Office Assistant**	**soumi1969das@gmail.com**
20		*Mrs. Supriya Maity*	B.A.	**Office Assistant**	**supriyamaity43@gmail.com**
21		*Mrs. Jharna Bishayee*	B.A. (Sociology)	**Office Assistant**	**nilanjanabishayee04@gmail.com**
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24		*Mr. Sankar Mondal*		**General Assistant**	**mondalsankar806@gmail.com**
25		*Mrs. Kabita Rani Barman Bhunia*		**General Assistant**	
26		*Mr. Goutam Nayek*		**General Assistant**	**nayekgoutam051@gmail.com**
27		*Smt. Antara Mal Jana*	B.A.	**General Assistant**	
28		*Mr. Sanjoy Dolai*		**General Assistant**	**sarjoydolai3674@gmail.com**
29		*Smt. Kalyani Bera*		**General Assistant**	**kalyanibera517@gmail.com**
30		*Mrs. Minati Nayek*		**General Assistant**	**minatinayek55@gmail.com**

W e have crossed almost two decades in providing excellent technical education.

2024 — Intake capacity of EE department increased

2023 — Introduced two new diploma courses IT & FTS. Intake capacity of CST department also increased

2022 — Received accreditation from NBA for quality technical education

2017 — Intake capacity of ME department increased

2014 — Intake capacity of CE & EE departments increased

2010 — Intake capacity of CE & ME departments increased

2007 — GIST was established with four technical courses: CE, ME, EE, CST

Value System at GIST

Global Institute of Science & Technology strongly believes in ethical practices and focuses on instilling core human values like empathy, integrity, respect, compassion, and responsibility among students. These values shape students' actions, attitudes, and relationships, helping them grow into thoughtful, ethical individuals.

In a professional setting, such values foster cooperation, harmony, and a respectful work culture. At GIST, we not only build students' technical skills but also prepare them to be socially responsible and globally aware professionals who contribute positively to society with integrity and purpose.

Strategic Location

City Centre Bus Stop to College (2.25 Km Approx)	Bandar Railway Station to College (1.7 Km Approx)	Ranichak Bus Stop to College (1.6 Km Approx)	Haldia Railway Station to College (1.5 Km Approx)

FROM KOLKATA / MECHEDA / NANDAKUMAR

Global Institute of Science & Technology is strategically located in the heart of Haldia, an industrial hub in eastern India, about 125 km from Kolkata and near NH41. Haldia is a major port city, serving as a trade gateway for Kolkata. The city hosts numerous key industries, including Indian Oil Corporation Limited (IOCL), South Asian Petrochemicals Ltd, Haldia Petrochemicals, Mitsubishi Chemical Corporation (MCCPTA), Tata Chemicals and Power, Chloride India (Exide), Shaw Wallace, and Hindustan Lever. Notably, Mitsubishi Chemicals operates the second-largest Terephthalic Acid plant in Haldia. Haldia is also home to the Indian Coast Guard base and a hover port, and lies along the Haldi River, a scenic spot popular among residents. The institute enjoys excellent connectivity via national highways and rail links to Kharagpur Junction.

Academic Environment

- Advanced infrastructure and learning resources
- Innovative and modern teaching methods
- Qualified and experienced faculty members
- Strict adherence to academic standards
- Strong placement record
- Regular workshops and fully equipped labs
- Frequent seminars and industry visits
- National educational seminars with reputed institutions
- Language lab and multimedia tools for communication and skill development
- Annual Cultural and Technical Fests

Institutional Rules And Regulation

To ensure a disciplined, respectful, and academically enriching environment, all students of the Global Institute of Science & Technology must adhere to the following rules and regulations:

1. **Attendance and Punctuality**
   - Students must maintain at least 75% attendance in both theory and practical classes.
   - Absences require prior approval with a valid reason.
   - In case of illness, inform the institute and submit a medical certificate after recovery.
   - Absence for over one month without permission will lead to removal from the Students' Attendance Registrar.

2. **Fees and Financial Obligations**
   - Semester fees must be paid on time as per the official notice issued by the institute.

3. **Discipline and Conduct**
   - Students are expected to maintain dignity and decorum within the college premises at all times.
   - Students must show the highest respect towards faculty members, staff, and their families.
   - Smoking, consumption of alcohol, or use of intoxicating substances is strictly prohibited on campus. Violators will face severe disciplinary action as per institutional norms.
   - Any damage to the institute's property must be compensated by the student responsible.

4. **Academic and Co-curricular Participation**
   - Students are encouraged to actively participate in seminars, workshops, group discussions, quizzes, competitions, debates, and social functions organized by the institute.

5. **Prohibited Activities**
   - Students are not allowed to organize meetings, demonstrations, deputations, or agitations that may disrupt the normal functioning of the institute.
   - Unfair means during examinations are strictly prohibited and will result in disciplinary action.

6. **Anti-Ragging Policy**
   - As per the Supreme Court's verdict and AICTE guidelines, any form of physical or psychological ragging is strictly banned.
   - All students must submit a declaration, duly countersigned by their guardians, affirming their awareness that ragging is a criminal offense, and committing not to engage in or support it. Violators will be subject to severe punishment as per legal provisions.

The Activities Constitute RAGGING

Ragging constitutes one or more of any of the following acts:

- *Teasing or rude behavior towards a fresher or any student.*
- *Rowdy or undisciplined acts causing annoyance, harm, or fear.*
- *Forcing embarrassing or shameful acts on a student.*
- *Disrupting academic activities of another student.*
- *Exploiting freshers for academic tasks.*
- *Financial extortion or forced expenses on fresher.*
- *Physical abuse, including sexual or obscene acts.*
- *Verbal abuse or public humiliation, including through digital means.*
- *Actions affecting mental health or confidence to show power or superiority.*

Student – Care Facility

GIST ensures a supportive and comfortable environment for students by offering the following key facilities:

- ▶ **CANTEEN:** On-campus canteen offering hygienic food at affordable prices. Open during and beyond college hours for students and staff.
- ▶ **MEDICAL FACILITY:** Access to medical check-ups and treatment via ICARE Medical College & Hospitals, with ambulance service available. Students may also use nearby government hospitals.
- ▶ **POST OFFICE & ATM:** Located adjacent to the campus for convenient financial and postal services.
- ▶ **PHOTOCOPY & INTERNET:** On-campus photocopying and internet access to support academic needs.
- ▶ **DRINKING WATER:** Purified water coolers installed on every floor (except the 3rd floor).
- ▶ **POWER BACKUP:** Generator-supported power supply ensures uninterrupted academic activities during outages.
- ▶ **PARKING FACILITIES:** Separate open parking spaces for students and staff within the campus.
- ▶ **HOSTEL ACCOMMODATION:** Separate hostels for boys (from neighbouring states) and girls. Facilities include food, lodging, common rooms, 24/7 power, and dedicated hostel supervision.
- ▶ **PLAYGROUND:** A large playground is available for outdoor sports like cricket, football, and tennis, promoting teamwork and well-being.
- ▶ **DRESS CODE:** A mandatory dress code is enforced to reflect professionalism among students.

SCHOLARSHIP

Assistance is available for eligible SC, ST, and OBC students through the Government of West Bengal Backward Classes Welfare Department. Other supported scholarships include:

- Merit-cum-Means (Post-Matric & Pre-Matric)
- Biri Shramik Scholarship (WB Labour Welfare Board)
- Nabanna Scholarship (WB Chief Minister's Relief Fund)
- Swami Vivekananda Merit-cum-Means Scholarship
- K.C. Mahindra Education Trust & S.R. Jindal Scholarship
- Kanyashree Grants for girl students
- Educational Loans from WB Minorities Development & Finance Corporation

The institute may also offer half-free scholarships to needy and meritorious students not covered under other schemes.

Institution's Best Practice

SOCIAL OUT-REACH ACTIVITY

Over the years, Global Institute of Science and Technology has actively contributed to various social causes. The institute regularly reaches out to local schools to educate students and address their queries. It also participates in social awareness programs such as Dengue Awareness Drives and Energy Conservation Day, promoting community well-being and responsibility.

GENDER EQUALITY

As a co-educational institute, Global Institute of Science and Technology strongly upholds the principle of equal educational opportunities for all. It fosters a supportive and inclusive environment where every student—regardless of gender—can grow, thrive, and reach their full potential.

ENTREPRENEURSHIP

In today's rapidly evolving technological landscape, Global Institute of Science and Technology actively promotes entrepreneurship by organizing regular workshops and seminars. These initiatives aim to educate and inspire students about innovation, self-reliance, and the importance of entrepreneurial thinking in the modern world.

DIVYANGJAN FACILITY

Global Institute of Science and Technology is committed to fostering diversity, equity, and inclusion by creating an accessible and supportive environment for differently-abled students. The campus features ramps at key entry points, wheelchair accessibility, and dedicated sick room facilities. Additionally, ambulance and stretcher services are available to ensure the well-being and convenience of all students.

CAREER COUNSELING

Global Institute of Science and Technology actively promotes career counseling to guide students in identifying their strengths, interests, and goals, helping them make informed career choices. The Career Counseling Cell also supports and motivates academically weaker students, helping them overcome challenges and focus on their studies. This dedicated effort ensures every student receives the guidance needed to reach their full potential.

EMPLOYABILITY ENHANCEMENT PROGRAMME:

The Employability Enhancement Programme (EEP) at Global Institute of Science and Technology aims to prepare students for the job market by developing both technical and soft skills. It focuses on communication, teamwork, problem-solving, and leadership, along with industry-specific training. Through workshops, seminars, certifications, and professional courses, the program enhances students' knowledge, skills, and overall employability.

RESEARCH AND DEVELOPMENT

The R&D wing at GIST supports students and faculty in doing research and developing new ideas, technologies, and solutions. It promotes creativity, innovation, and problem-solving skills.

Research activities improve the college's reputation and attract talented students and faculty. They help faculty stay updated in their fields and grow professionally through publications, conferences, and collaborations.

The R&D cell also builds strong links with industry and prepares students for real-world challenges.

It enriches the learning environment and contributes to society and the economy.

GIST: A Ragging Free Campus

GIST is committed to providing a safe and friendly environment for students. To stop ragging, which harms students mentally and physically, the college has strict anti-ragging rules.

ANTI-RAGGING COMMITTEE

A special committee, formed by the Head of the Institution, keeps watch and ensures the campus stays free from ragging. The committee stays active, alert, and ready to take action at all times.

ANTI-RAGGING SQUAD

This squad includes members from different parts of the campus. They make surprise visits to hostels and other areas where ragging might happen. They also investigate any ragging complaints and report their findings to the Anti-Ragging Committee for necessary action.

Examination Cell

The *Examination Cell* at *Global Institute of Science & Technology* manages all exam-related activities in a fair, confidential, and organized manner, *as per the rules of WBSCT&VE&SD and MAKAUT*.
It handles internal and external exams, including end-semester, internal theory and practical exams.
Main Duties of the Exam Cell:
- *Communicate with the affiliating authorities and submit required documents.*
- *Upload internal (CE) marks to the State Council & MAKAUT.*
- *Share exam schedules after discussion with departments.*
- *Conduct end-term and special exams.*
- *Distribute results and mark sheets.*
- *Forward students' applications related to exams (e.g., corrections, re-evaluation).*

Student Services:
- *Collect mark sheets after result declaration.*
- *Submit applications for mark sheet correction or re-evaluation (through the Principal).*

The Exam Cell also tracks Course Outcome (CO) attainment through both internal and external exams, using tools like tests, assignments, projects, and presentations to measure student performance.

Accounts Section

The *Accounts Section* at *Global Institute of Science & Technology* manages *budgeting, financial planning, and fee collection (tuition, hostel, exam fees, etc.)*. It oversees disbursement for salaries, utilities, maintenance, and procurement. The section also *prepares financial reports*, ensuring transparency, stability, and efficient resource management for the college.

As Cicero said, *"To add a library to a house is to give that house a soul."*

We truly believe this. Our Central Library is the heart of learning and research in the college. Located on the ground floor of the main building, it is a large space with internet access and a rich collection of textbooks, reference books, and journals. It started with just 400 books and has grown significantly over the years.

Books Available (Department-wise):

Department	Books	Titles	Journals
Civil Engineering	3,193	186	4
Mechanical Engineering	4,495	216	4
Electrical Engineering	4,151	235	4
Fire Technology and Safety Engineering	86	12	1
Computer Science & Information Technology	4,557	425	8
Common Books (All Departments)	9,751	409	2

Book Bank Facility:

Groups of three students can borrow 9 books for the semester through the Book Bank. Individual students can also borrow 3 books using their library card. Teachers and staff can borrow books and journals as needed.

Students can borrow up to **6 books per semester** and also access **online books and journals** through the **Delnet E-library**. The library also offers **books for competitive exams** and **storybooks by popular authors**. It is open daily from **10 am to 5 pm**, with separate seating for teachers and staff.

Institute Innovation Council

The *Institution's Innovation Council* **(IIC)**, initiated by the Ministry of Education and AICTE, promotes innovation and startups in colleges. It engages students, teachers, and staff in idea generation, problem-solving, project development, design thinking, IPR, and startup management. IIC aims to build a strong culture of innovation, address challenges like low activity and support, and foster a vibrant startup environment on campus.

NSS Unit of GIST

NSS plays a crucial role in fostering social responsibility, community engagement and holistic development among students in an engineering college. In our college we have engaged our students in various community service activities such as organizing cleanliness drives, tree-plantation programmes etc. These activities enable our students to connect with and contribute positively to the surrounding communities.

ISTE Student Chapter

The ISTE Student Chapter at [GIST] promotes technical excellence, innovation, and professional growth through various events and activities.

GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY
(An Institution of ICARE)

Department of Civil Engineering

The earliest practice of civil engineering may have commenced in between 4000 and 2000 B.C. in Ancient Egypt and Mesopotamia. The department generates the students for gaining expertise in this particular professional engineering discipline that deals with the design, construction and maintenance of the physically and naturally built environment, including works like roads, bridges, canals dams and buildings.

VISION

To prepare engineers having professional and leading characteristics with the potential to accomplish professional and experimentation task in civil engineering and associated fields with concern on collaborative and creative viewpoint and to engage themselves at all level.

MISSION

M1: To convey skill and real time learning to contribute to the civil engineering field.

M2: To transmit soft skills, leading characteristics and professional morals between the graduates to control the projects autonomously.

M3: To promote graduates to take part globally.

M4: To negotiate with the current problems and to fulfil the societal requirements.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: To give standard learning and awareness in the current science and technology to tackle the problems in the civil engineering field and to help the community.

PEO2: To transfer the information of analysis and design by incorporating codes of practice and software packages.

PEO3: To introduce the awareness of ethics, leadership, morality, inventiveness, Professionalism, confidence and freelance attitude.

PEO4: To inspire the students to take part in further education and creative experimentation related to projects.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: The student has the efficiency to use the sense of mathematics, chemistry, physics, soft skills and programming skills to resolve civil engineering issues.

PSO2: The student has the expertise in field of civil engineering to develop a better sustainable living environment.

PSO3: The student has the technical sense and experimental skills to handle civil engineering issues, exhibiting skilled ethics to satisfy the social needs.

PSO4: The programme permits the institution to develop educational proficiency by engaging in research and modernization, interaction with skilled industrial bodies through technical recommendations and continued education programs (CEP) to fulfill the required needs of the user.

Diploma in Civil Engineering Syllabus:

Semester - III	Semester - IV	Semester - V	Semester - VI
◆Construction Materials	◆Hydraulics	◆Water Resource Engineering	◆Public Health Engineering
◆Basic Surveying	◆Advanced Surveying	◆Estimating, Costing and Valuation	◆Public Health Engineering Lab
◆Mechanics of Materials	◆Theory of Structure	◆Design of RCC and Steel Structure Practices	◆Advanced Surveying Practices
◆Building Construction	◆Geotechnical Engineering	◆Estimating, Costing and Valuation Practices	◆*Elective – IV*
◆Concrete Technology	◆Design of RCC and Steel Structure	◆Water Resource Engineering Practices	Tendering and Accounts
◆Civil Engineering Planning and Drawing	◆Basic Surveying Field Practices	◆*Elective – II*	Advanced Construction Technology
◆Transportation Engineering	◆Hydraulics Lab	Advanced Design of Structures	Entrepreneurship and Start-ups
◆Civil Engineering Planning and Drawing Practices	◆Geotechnical Engineering Lab	Traffic Engineering	◆*Open Elective – I*
◆Construction Materials Lab	◆*Elective – I*	◆*Elective – III*	Engineering Economics &Project Management
◆Mechanics of Materials Lab	Precast and Prestressed Concrete	Building Services and Maintenance	◆*Open Elective – II*
◆Concrete Technology Lab	Rural Construction Technology	Repair and Maintenance of Structures	Construction Management
◆Transportation Engineering Lab	◆Minor Project	◆Internship-II	◆Major Project-II
◆Internship-I		◆Major Project I	◆Seminar and Viva -Voice
		◆Safety Engineering & Management in the Construction Sector	

Department of Civil Engineering

Major Laboratories:

Civil Engineering Laboratory	Geotechnical Engineering Laboratory	Survey Lab
Vicat Apparatus	Soil Core Cutter	Theodolite
Compressive Strength Testing Machine	Sand Replacement Apparatus	Auto Level
Pensky-Mertens Apparatus	Casagrande Apparatus	Dumpy Level
Los-Angles Abrasion Test Apparatus	Proctor Apparatus	Prismatic compass
Impact Value Test Apparatus	Box Shear Apparatus	Plane Table & accessories
Slump Cone	California Bearing Ratio Apparatus	Measuring Chain & Tape
Compacting Factor Test Apparatus	Thermostatically Controlled Oven	
Ductility Testing Machine		
Viscosity Testing Machine		
Rebound Hammer		
Turbidity Meter		
Digital Ph Meter		

Drawing Lab

Major Software:

- ▶ Autocad 2011
- ▶ Autocad 2012

GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY
(An Institution of ICARE)

Department of Civil Engineering

Staff Profile of Department

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Toppers in last 5 Years

Year of passout	Name	Percentage of marks	Overall grade point
2020	SURAJIT BERA	90.8	9.4
2021	SABYASACHI RANA	90.9	9.2
2022	SUVENDU BHOWMIK	87.9	9
2023	GOBINDA HANRA	89.4	9.2
2024	PIJUSH DEBNATH	91.1	9.2

Department of Civil Engineering

ALUMNI FEEDBACK

Gobinda Hanra
Batch: 2020-2023
LEPTON PROJECT PRIVATE LIMITED

"My 3 years in the civil Engineering diploma course at this college have been a great learning experience. The faculty members were supportive and explained the concepts clearly, which helped me build a strong foundation in my field. The practical sessions and lab work were very useful and matched industry standards. I also enjoyed participating in college events and workshops that improved my confidence and skills. The placement support in the final year was helpful too. Overall, I'm grateful for the knowledge, friendships, and growth I've experienced here."

Shantanu Sarkar
Batch: 2008-2011
NCRTC,
JV under Ministry of Housing and Urban Affairs

GIST means a lot to me. It gave me strong Civil Engineering skills and confidence to handle big projects. The teachers and seniors were very supportive. I cherish my college days, friends, and all the memories. I'm grateful to GIST for shaping my life and will always remember its lessons.

Anwesha Bera
Batch: 2017 – 2020
Civil engineer
Ultratech RMC Plant, Rajarhat

During my three years at this college, I learned a lot and improved my knowledge greatly. The best part is that it helped me realize my potential. The teachers are friendly and the teaching style is excellent. Classes were held daily, and teachers not only taught their subjects but also shared important moral values.

Tanmoy Adak
Batch: 2020-2023
PROCON
QC ENGINEER, RMC PLANT

Our college has great discipline and education. I learned a lot here, and teachers taught us how to face future challenges. Besides studies, we enjoyed sports, festivals, and more. Thanks to the campus drive, I got a job at Procton. I'm very grateful to all my teachers for their guidance and support.

Arup Maity
DCE, 2019
KEC
INTERNATIONAL
LTD
Asst. Engineer

Swapan Maity
DCE
2018
L&T Limited
Civil Engineer

Sourav Mondal
DCE
2018
ELEGANT STEEL
TECHNICAL
EXECUTIVE

Rajkumar Barman
DCE, 2010
Dineshchandra R.
Agrawal Infracon
Private Limited
Senior Engineer
(Structure, Bridge)

Rajib Jana
DCE
2017
IOCL
Engineer in charge

Subhadip Chakraborty
DCE
2011
HRBC
Resident Engineer

Department of Computer Science & Technology

In the last twenty years, computer science has grown from a somewhat obscure academic discipline into one of the driving forces of technological advance. From scientifically used large super computers to personally used little Smartphone lying in our pockets, computers mark their presence everywhere. There is no stream of any working sector that still executes any of its processes without computer systems.

The Department of Computer Science and Technology embarked on its journey in 2007 with the aim of establishing itself as a pioneering entity, providing high-quality education to meet the diverse needs of the modern digital world. In 2022, the National Board of Accreditation (NBA) accredited the department, recognizing its commitment to excellence.

With an intake capacity of 120 in the Diploma program, the department boasts several well-equipped laboratories for student use. With the co-operation and involvement of the dedicated team of well-qualified faculty members, the department constantly strives to improve its academic standards. It emphasizes outcome-based learning tailored to meet the demands of modern industries and research-based academic fields. The department's track record of placing students in reputable companies within the Computer Science & Technology sector is noteworthy.

VISION

To establish the department as frontiers by offering quality education in proper perspective to accomplish diversified necessities in the field of Computer Science & Technology Education and Profession.

MISSION

M1: To equip students with essential skills and knowledge for a successful professional career in Computer Science & Technology, empowering them to contribute positively to society.

M2: To foster a solid technical foundation in Computer Science and Technology through an industry-relevant curriculum, hands-on learning, and modern infrastructure, while encouraging a commitment to lifelong learning.

M3: To instill ethical values and professional integrity in students, preparing them to adapt responsibly and effectively in the dynamic landscape of engineering and technology.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Students will possess foundational knowledge in Computer Science and Technology, enabling them to effectively analyze and solve technical problems in various areas of Computer Science, aligning with industry practices.

PEO2: Students will be equipped to adapt to new and emerging technologies, engaging in continuous learning to advance their technical skills and remain competitive in the workforce.

PEO3: Students will demonstrate strong ethical values, effective communication, and teamwork, preparing them to work responsibly and collaboratively in diverse professional environments and contribute positively to society.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: Ability to understand the principle and development methodology of computer Architecture. Students can assess the hardware of computer systems and possess professional skills and knowledge of software design process.

PSO2: Ability to apply mathematical methodologies to solve computational task and model based on real world problem using appropriate data structure and suitable algorithm.

PSO3: Ensure employability and career development skills through industry oriented projects, internship, seminar, workshop for their lifelong learning and develop awareness of professionalism, social, legal and ethical responsibilities.

Department of Computer Science & Technology

Departmental Infrastructure

1.   Spacious Classrooms:
- The college boasts spacious classrooms conducive to learning.

2.   Well-Equipped Computer Labs:
- Three dedicated computer labs are fully air-conditioned and Wi-Fi enabled.
- Computer labs houses over 205 machines with the latest hardware configurations and software installations.

3.   Internet Connectivity and Access to Online Journals:
- All labs are equipped with internet connectivity, providing access to online journals subscribed by the college.

4.   Printing and Scanning Facilities:
- Each lab is equipped with a sufficient number of printers and scanners to cater to student needs.

5.   Safety Measures:
- Ensuring student safety, every lab is equipped with fire extinguishers and other safety facilities to prevent accidents.

6.   Departmental Virtual Library:
- Students have access to a departmental virtual library, fostering a 24-hour learning environment.

List of Application Software:
▶Microsoft Visual Studio Professional
▶Dev C++
▶ORACLE
▶JDK
▶Electronics Workbench
▶Apache OpenOffice 4.1.15
▶EMU 8086
▶CISCO Packet Tracer 7.3.0
▶Python 3.11.4
▶PHP 8.2.11
▶Notepad++ 8.5.8
▶Acrobat Reader 11
▶Google Chrome 123
▶WinRAR 7

Diploma in Computer Science & Technology Syllabus

Semester - III	Semester - IV	Semester - V	Semester - VI
◆Computer Programming	◆Operating Systems	◆Microprocessor & Microcontroller (based on 8086 & 8051)	◆*Program Elective-4*
◆Scripting Languages (Python)	◆Introduction to DBMS	IoT	i) Data Sciences: Data Ware housing & Data Mining,
◆Data Structure	◆Computer Networks		ii) Cloud Computing.
◆Computer System Organization	◆SSAD/Software Engineering	◆*Program Elective-1*	◆Entrepreneurship and Start-ups
◆Algorithms	◆Object Oriented Programming Using Java	i) Mobile Computing	*Open Elective-1*
◆Summer Internship-1	◆Minor Project	ii) Advanced Computer Network	i)Engineering Economics
◆Computer Programming Lab	◆Operating Systems Lab	◆*Program Elective-2*	ii)Project Management
◆Scripting Languages Lab	◆Introduction to DBMS Lab	i)Theory of Automata	◆*Open Elective-2*
◆Data Structures Lab	◆Computer Networks Lab	ii) Fundamentals of AI	i) Machine Learning
	◆Object Oriented Programming Lab using Java	◆*Program Elective-3*	ii) Web Designing
		i) Computer Graphics	◆Major Project
		ii) Digital Image Processing	◆Seminar
		◆Microprocessor & Microcontroller Lab using simulator/debug	
		◆Summer Internship-2	
		◆Major Project	

Major Laboratories:

- ⇨ *Computer Programming Lab*
- ⇨ *Scripting Languages Lab*
- ⇨ *Data Structures Lab*
- ⇨ *Operating Systems Lab*
- ⇨ *Introduction to DBMS Lab*
- ⇨ *Computer Networks Lab*
- ⇨ *Object Oriented Programming Lab using Java*
- ⇨ *Microprocessor & Microcontroller Lab*
- ⇨ *Major Project Lab*

Department of Computer Science & Technology

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Principal

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Toppers in last 5 Years

Year of passout	Name	Percentage of marks
2020	Subhajit Ghosh	92.8
2021	Triparna Das	87.1
2022	Insiya Parvez	85.4
2023	Abhirup Samanta	89.6
2024	Atibul Khan	84.8

ALUMNI FEEDBACK

Swantini Das
Batch: 2008-2011
Senior Google Cloud Engineer
Fractal Analytics

Joining GIST was one of my best decisions. Supportive classes, hands-on learning, and a lively campus prepared me well for the future. Proud to be a part of it!

Siddhant Shukla
Batch: 2009-2012
Barclays. New Jersey, USA
Current Designation: AVP

It's been 11 years since I completed my diploma at GIST, but the memories are still fresh. I'm grateful to the supportive faculty and staff, and thankful for the placement that kick-started my career. My time there was truly rewarding.

Madhusri Das
Batch: 2012-2015
Dell Technologies
TSE 2

I joined GIST in 2012 as a CST student, and it was a life-changing experience. I'm truly grateful to my teachers for their constant support. Whatever I've achieved, I owe it to them. Thank you, GIST, for the guidance and encouragement.

Gourav Shukla
CS&T
2021
Hamsha Parkwiz
Tech Solutions Pvt.
Ltd.
IT Service Engineer

Sk Injamamul
Haque
CS&T
2017
Cognizant
Senior Systems
Engineer

Madhusudan
Nayek
DCS&T
2018
Codelogicx
Technology Pvt.
Ltd.
Software Engineer

Suvendu Bikash
Bag
DC&T
2018
TCS Pvt. Limited
Technical
Developer

Department of Information Technology

Global Institute of Science & Technology is thrilled to introduce the Diploma in Information Technology program, designed to equip students with the knowledge and skills necessary to excel in the dynamic and rapidly evolving field of information technology.

The Diploma in Information Technology program is a comprehensive and industry-focused that provides students with a strong foundation in key areas of information technology. From software development to network administration, this program covers a broad range of subjects to ensure students gain a well-rounded education in the field.

Throughout the duration of the program, students will delve into various aspects of information technology through a combination of theoretical lectures, hands-on practical sessions, and real-life projects. This approach allows students to develop a deep understanding of the subject matter and apply their knowledge in practical scenarios.

CAREER OPPORTUNITIES:

- ▶ **Software Developer/ Programmer**
- ▶ **Database Administrator**
- ▶ **Network Administrator**
- ▶ **Web Developer**
- ▶ **IT Support Specialist**
- ▶ **Systems Analyst**
- ▶ **Cyber security Analyst**
- ▶ **IT Project Manager**

VISION

To develop skilled, industry-ready Information Technology professionals through quality technical education and practical training, contributing to the evolving needs of the digital world.

MISSION

M1: To provide a strong foundation in Information Technology through hands-on training and curriculum prescribed by WBSCT&VE&SD.

M2: To encourage creative problem-solving and technical skills through innovative teaching practices and real-world exposure.

M3: To instill ethical values, teamwork, and a lifelong learning attitude to meet the needs of society and the IT industry.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: Students will be equipped with technical knowledge and practical skills to pursue careers in the IT industry or related fields.

PEO2: Students will be capable of solving basic IT problems using appropriate tools, techniques, and communication skills.

PEO3: Studentss will demonstrate professionalism, social responsibility, and readiness for continuous learning or entrepreneurship.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: Apply basic programming, database, and networking knowledge to develop and maintain IT applications.

PSO2: Use appropriate software tools and techniques to solve routine technical problems in IT support and services.

PSO3: Demonstrate teamwork, communication, and project management skills in the execution of IT-related tasks and projects.

Diploma in Information Technology Syllabus

Semester - III	Semester - IV	Semester - V	Semester - VI
◆Computer Programming	◆Operating Systems	◆Microprocessor & Microcontroller (based on 8086 & 8051)	◆*Program Elective-4*
◆Scripting Languages (Python)	◆Introduction to DBMS	◆IoT	i) Data Sciences: Data Ware housing & Data Mining,
◆Data Structure	◆Computer Networks	◆*Program Elective-1*	ii) Cloud Computing.
◆Computer System Organization	◆SSAD/Software Engineering	i) Mobile Computing	◆Entrepreneurship and Start-ups *Open Elective-1*
◆Algorithms	◆Object Oriented Programming Using Java.	ii) Advanced Computer Network	i)Engineering Economics and
◆Summer Internship-1	◆Minor Project	◆*Program Elective-2*	ii)Project Management
◆Computer Programming Lab	◆Operating Systems Lab	i)Theory of Automata	◆*Open Elective-2*
◆Scripting Languages Lab	◆Introduction to DBMS Lab	ii) Fundamentals of AI	i) Machine Learning
◆Data Structures Lab	◆Computer Networks Lab	◆*Program Elective-3*	ii) Web Designing
	◆Object Oriented Programming Lab using Java	i) Computer Graphics	◆Major Project
		ii) Digital Image Processing	◆Seminar
		◆Microprocessor & Microcontroller Lab using simulator/debug	
		◆Summer Internship-2	
		◆Major Project	

Department of Mechanical Engineering

Choosing and pursuing a diploma course in mechanical engineering, one of the oldest and broadest engineering branches provides the students with an opportunity to acquire knowledge and expertise that can be applied to various branches of engineering. The department is involved incessantly to train the brains and impart skills to the hands using various modern and upgraded equipments and methodologies.

VISION

To achieve excellence in Mechanical engineering by imparting technical knowledge & skills blended with attitude & behavior to meet industrial and societal requirements.

MISSION

M1: To offer quality education with supportive facilities to produce technically proficient engineers to serve industry.

M2: To motivate students for lifelong learning and guide them to choose better career option.

M3: To inculcate ethical & professional values among students with societal and environmental concern.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1: The students will get the job/employment opportunity in public or private sectors.

PEO2: The students will execute their assignment effectively as individuals and team members in multi-disciplinary setup leading to a common goal.

PEO3: The students will have a sound background to pursue higher study.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO1: The program must demonstrate that students can apply specific program principles to Design using CAD(2D), testing of various mechanical parameters & operation of different machines.

PSO2: The program ensures students able to contribute in manufacturing or processing of products economically to meet the customer's satisfaction.

Diploma in Mechanical Engineering Syllabus

Semester - III	Semester - IV	Semester - V	Semester - VI
◆ Strength of Materials	◆ Thermal engineering II	◆ Fluid Mechanics and Machinery	◆ Design of M/C Elements
◆ Thermal engineering I	◆ Manufacturing Process II	◆ Advanced Manufacturing Process	◆ Oil Hydraulics & Pneumatics
◆ Manufacturing Process I	◆ Refrigeration and Air Conditioning	◆ Material Handling System	◆ Work Organization & Management
◆ Mechanical Engineering Materials	◆ Engineering Metrology	◆ Power Engineering	◆ Entrepreneurship & start-ups
◆ M.E. Drawing	◆ Theory of Machine	◆ Automobile Engineering	◆ Engineering Economics Project Management
◆ Materials Testing Lab	◆ Thermal engineering II Lab	◆ Fluid Mechanics and Machinery Lab	◆ Environment Engineering & Science
◆ Thermal engineering I Lab	◆ Manufacturing Process II Lab	◆ Advanced Manufacturing Process Lab	◆ Oil Hydraulics & Pneumatics Lab
◆ Manufacturing Process I Lab	◆ Computer aided Machine drawing practice	◆ Power Engineering Lab	◆ Major Project
◆ M.E. Drawing Lab	◆ Engineering Metrology & Mechanical Measurement Lab	◆ Automobile Engineering Lab	◆ Seminar
◆ Internship I	◆ Minor Project Lab	◆ Major Project	
		◆ Internship II	

Department of Mechanical Engineering

Mechanical Workshop and Laboratories:

Major Laboratories:
▶ Applied mechanics lab (Izod Impact testing M/C, Brinell & Rockwell hardness testing M/C, UTM, TTM etc.)
▶ Heat power lab (Diesel and petrol engine, boiler, air compressor etc)
▶ Fluid mechanics lab (Venturi & orifice meter, V-notch, centrifugal & reciprocating pump etc)
▶ Metrology lab (Vernier Scale instruments, Sine bar etc)
▶ AutoCAD lab (15 nos of computers with latest AutoCAD version installed)
▶ Auto-Mobile lab (ELECTIVE), with Maruti 800
▶ Drawing-Hall (2 nos)

Major Workshops:
▶ CNC Lathe
▶ Machine shop (Lathe, Shaping, milling, drilling, grinding, hydraulic power saw)
▶ Fitting shop (small drilling machine)
▶ Welding shop (gas and arc welding machine)
▶ Carpentry (Jigs and band saw, power saw)

Thermal Lab:
Diesel and petrol engine
Boiler Models
Air compressor, Test Rig
Refrigeration, Test Rig
Surface condenser, Test Rig
Steam engine
Thermal Conductivity Test Aparatus.

Fluid Mechanics & Fluid Power Lab:
Venturi meter
Orifice meter
V-Notch
Centrifugal Pump
Reciprocating Pump
Bernoulli's Apparatus
Pilot Tube
Pneumatic Circuit Trainer

Fitting Shop:
All fitting tools and equipments bench wise Welding shop Arc welding machine, gas welding machine, spot Welding machine.

Applied Mechanics Lab:
Universal Testing Machine
Torsional Testing Machine
Screw Jack
Worm & Worm Wheel
Single Purchase crab winch
Rockwell Testing Machine
Izod Testing Machine
Brinell Testing Machine

Department of Mechanical Engineering

Metrology Lab:
Vernier Micrometer
Vernier Caliper
Vernier Height Gauge
Slip Gauge
Bevel Protector
Gear Tooth Vernier Calliper
Dial Gauge

Machine Shop:
Lathe, crank and slotted link type shaping machines, milling machine, slotting machine, radial drilling Machine, bench and table surface grinder, hydraulic power saw.

Autocad Lab:
It improves productivity.
It helps the student visualize their final product and see how it will work.
The quality of the design dramatically improve.
The software helps the user to create documentation for their design (documentation means everything from the materials to be used to components and specification).

Advance Machine Shop:
CNC Lathe

Carpentry:
Wood turning lathe, circular zig saw, band saw.

Elective Lab:
Detailed study of Maruti 800 Engine
Major workshops and the equipments
Cut Section of OMNI

Projects done by Students:
• Scotch Yoke Mechanism for a syringe pump is driven by water wheel.
• Mini wood turning lathe machine.
• Jet Engine.
• Cam and Follower.
• Dual side cutting shaping machine.
• Screw Jack with load rotational device by gear
• Screw Jack with load rotational device by gear attachment.
• Wood cutting circular saw.
• Hydraulic Bridge.
• Cut section of gear box.
• Cut section of Differential.
• Vacuum cleaner.
• Air compressor.
• Engine replaced by motor and manage electrical connection.
• Box transport mechanism.
• Mini CNC Lathe

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Harekrishna Das
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Bijoy Das
Technician
ITI (Maintenance Mechanic)
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Toppers in last 5 Years

Year of passout	Name	Percentage of marks
2020	Ranajit Jana	90.6
2021	Pritam Pramanik	93.5
2022	Santanu Maity	88.9
2023	Subhajit Manna	91.1
2024	Sunirmal Shee	94.9

ALUMNI FEEDBACK

Sudipta Maiti
Batch: 2014-2017
Planning Engineer
L&T, Jalandhar

GIST played a key role in shaping my career in Mechanical Engineering. The balanced curriculum, modern facilities, and supportive environment gave me the skills and confidence I needed. I'm truly grateful to the Mechanical Department for their guidance and constant support throughout my journey.

Ranit Chowdhury
Batch: 2018-2021
Design Engineer
Plustech System & Solution Pvt Ltd

It's been 11 years since I completed my diploma at GIST, but the memories are still fresh. I'm grateful to the supportive faculty and staff, and thankful for the placement that kick-started my career. My time there was truly rewarding.

Atanu Bera
DME
2016
Re-sustainability Ltd.
Asst. Manager

Subhankar Dinda
DME, 2016
Inalfa Gabriel Sunroof System Pvt. Ltd.
Engineer in Production Department (Production Supervisor)

Manobes Bera
DME
2016
tata technologies limited
Design Engineer

Upendra Krishna Patra
DME
2016
Autoliv inc.
Sr.Engineer

Department of Mechanical Engineering

Skill Development Programme conducted by Mechanical Engineering Department:

In Collaboration with: TATA POWER-HALDIA

Dates: 26–29 Nov 2024

Venue: GIST, Haldia, West Bengal

Participants: Semi-skilled employees of TATA POWER-HALDIA

Program Overview:

A 2-day hands-on training focused on practical mechanical skills relevant to power plant operations.

Activities:

- Expert lectures and practical sessions
- Training on measuring tools, welding, fitting, and rigging

Outcomes:

- Improved tool use, fault diagnosis, and repair skills
- Enhanced safety, confidence, and productivity

Feedback:

Highly appreciated by participants and TATA POWER; interest shown in future advanced sessions.

Conclusion:

The program successfully enhanced worker skills and strengthened ties between industry and institute.

GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY
(An Institution of ICARE)

Department of Electrical Engineering

The Department of Electrical Engineering is imparting quality education by introducing the new era of teaching techniques. The department deals with the study and application of electricity, electronics and electromagnetism and has resulted insignificant inventions ranging from the radio and television to laser and fibre optics. The department comprises of its own laboratory and classrooms. It holds an esteemed portion to deal with the inventory projects to be carried out for shaping the students in to a complete personified character for the upcoming future. The department provides a strong foundation in physical and mathematical sciences as well as computational methods by providing facilities in running projects based on serial communication and parallel communication as well. The new structure of robotics based on Arduino platform is also framed within the department for the students benefit and to develop an academic ambience within the department as well.

VISION

Electrical Engineering Department strives practical based learning, conceptually framed and innovative thinking encapsulated future technologist and Engineers for the betterment of the entire society in coming era.

MISSION

M1: The primary mission of the Department of Electrical Engineering is to produce quality human resource with capacity to serve the fraternity in a wide variety of roles including science, engineering, academics, research, entrepreneurship and management.

M2: Putting emphasis on areas such as communication skills, professional and ethical responsibility, lifelong learning and contemporary issues to complement the technical aspects of the engineering course.

M3: To ensure combination of engineering and complementary course works in the curriculum so that Electrical Engineering diploma engineers are well rounded, able to work effectively in team settings and able to adapt to different work environments.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

At the end of the program, the student

PEO1: To develop ability of solving problems in electrical engineering domain as well as in relevant domains to meet thriving socio - economic demand of industry and society.

PEO2: To prepare the students to successfully work in various public and private sector organizations, at regional, state and national levels, with professional competence and ethical administrative acumen.

PEO3: To frame the students to improve their technical and intellectual capabilities through lifelong learning process, which may include professional career and/or postgraduate education, for successful adaptation to technological and cultural changes and to foster adept functioning in society.

PEO4: To convey total quality education by providing knowledge and active teaching learning process regarding electrical engineering with proper infrastructural facilities to create technical leaders and entrepreneurs for future.

PEO5: Fulfil the needs of society in solving technical problems using engineering principles, tools and practices, in an ethical and responsible manner

PROGRAMME SPECIFIC OUTCOMES (PSOs)

PSO 1: Will be able to clearly understand the concepts and applications in the field of Electrical Engineering.

PSO2: Will be able to associate the learning from the courses related to Electrical Engineering in solving the real-world problems.

PSO3: Will have the capability to comprehend the technological advancements in the usage of modern design tools to analyze and design subsystems/processes for a variety of applications related to Electrical Engineering.

PSO4: Will possess the skills to communicate in both oral and written forms, the work already done and the future plans with necessary road maps, demonstrating the practice of professional ethics and the concerns for societal and environmental wellbeing.

Department of Electrical Engineering

Diploma in Electrical Engineering Syllabus

Semester - III	Semester - IV	Semester - V	Semester - VI
◆Electrical Circuits	◆Power Electronics Converters & Application	◆Microcontroller and its Applications	◆Energy Conservation and Audit
◆DC Machines & Transformers	◆Electric Power Transmission & Distribution	◆Building Electrification	◆Electrical Testing and Commissioning
◆Introduction to Electric Generation Systems	◆Induction, Synchronous & Special Electrical Machines	◆Industrial Drives	◆Entrepreneurship and Start-ups.
◆Electrical & Electronic Measurement	◆Renewable Energy Power Plants	◆Electric Traction	◆Engineering Economics and Project Management.
◆Analog & Digital Electronics	◆Switchgear and Protection	◆Microcontroller and its Applications Laboratory	◆Environmental Engineering and Science
◆Electrical Circuits Laboratory	◆Power Electronics Converters & Application Laboratory	◆Building Electrification Laboratory	◆Energy Conservation and Audit Laboratory
◆DC Machines & Transformers Laboratory	◆Electric Power Transmission & Distribution Laboratory	◆Industrial Drives Laboratory	◆Electrical Testing and Commissioning Laboratory
◆Introduction to Electric Generation Systems Laboratory	◆Induction, Synchronous & Special Electrical Machines Laboratory	◆Electric Traction Laboratory	
◆Electrical & Electronic Measurement Laboratory	◆Renewable Energy Power Plants Laboratory	◆Major Project	◆Major Project
◆Analog & Digital Electronics Laboratory	◆Switchgear and Protection Laboratory	◆Internship - II	◆Seminar
◆Internship - I	◆Minor Project		

Major Laboratories:

FEEE Lab:

This lab introduces students to fundamental electrical and electronic experiments, including measurements in AC circuits, transformer tests, component identification, and use of multimeters. It covers diode and transistor testing, Op-Amp applications, and logic gate verification, helping students gain practical knowledge essential for understanding real-world electrical and electronics systems.

EEM Lab:

This lab focuses on electrical measurement techniques using advanced instruments like clamp meters, CROs, bridges, and energy meters. Students learn to measure voltage, current, power, resistance, inductance, and capacitance accurately. It emphasizes calibration, fault diagnosis, and safety, providing essential skills for electrical system analysis and maintenance in real-world applications.

Department of Electrical Engineering

Power System Lab:

The Power System Laboratory is an essential part of electrical engineering education, designed to give students practical exposure to the generation, transmission, distribution, and protection of electrical power. This lab bridges theoretical concepts with real-world applications, allowing students to explore how electricity flows from power plants to consumers safely and efficiently, and explore the operation of essential protective devices like CB, Relays, Isolator, CT, PT and other terminal apparatus used in electrical power networks.

REPP Lab:

This lab course provides practical training in solar, wind, and study on hydro, biogas energy systems. Students measure solar radiation, analyze PV modules, assemble power plants, and integrate systems into a microgrid. It builds skills in renewable energy installation, testing, and operation for sustainable electricity generation.

Analog & Dgital lab:

This electronics lab involved designing and analyzing analog and digital circuits. Analog tasks included rectifiers (with/without filters), amplifiers, oscillators, Zener, BJT, JFET/MOSFET characteristics, and ±12V power supply. Digital experiments covered adders, flip-flops, encoders/decoders, MUX/DEMUX, counters, shift registers, and D/A–A/D converters, providing hands-on insight into core electronic components.

Electrical Machine lab:

Electrical Machine lab has DC motors (2 HP), induction motors (7.5 HP), transformers (250KVA), synchronous machines (3 HP), and variable frequency drives (YASKAWA1000). Students will learn to understand, analyse, and apply the principles of induction, synchronous, FHP, DC/AC motors, generators, and transformers to improve their maintenance and performance evaluation skills.

Microcontroller Lab:

The Microcontroller Lab facilitates coding and simulation of real-world control systems using Proteus and Keil µVision IDE. It supports curriculum-based experiments and special workshops, enabling students to design, develop, and test embedded applications efficiently in a hands-on learning environment.

PECA LAB:

The PECA Lab conducts experiments on SCR triggering, commutation techniques, and converter applications. It features hands-on training through special workshops using GE FANUC micro PLCs, enhancing practical knowledge in power electronics and control automation systems for curriculum-based learning and industrial readiness.

Department of Electrical Engineering

Staff Profile of Department

Dr. Eshan Samanta
Assistant Professor
(Department In-charge)
B.Tech (EE), M.Tech
(Mechatronics), Ph.D.(Tech.)
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Dr. Gouri Shankar Paul
Assistant Professor
B.Tech (ECE), M.Tech,
Ph.D.(Tech.) (Radio Physics and
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Janardan Sarkar
Assistant Professor

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Somesubhra Panda
Assistant Professor

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Ambarish Basu
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Sourangshu Sekhar Kar
Demonstrator

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Instructor

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Santanu Parali
Instructor

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Indodeep Chakraborty
Instructor

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indodeepc@gmail.com

Toppers in last 5 Years

Year of passout	Name	Percentage of marks
2020	Souman Das	88.1
2021	Sk Mushiar Rahaman	91.7
2022	Subhajit Bera	89.7
2023	Arijit Mal	89.4
2024	Sanju Sau	88.5

Department of Electrical Engineering

ALUMNI FEEDBACK

Cheroshree Dolui
Batch: 2014-2017

Presently pursuing PhD from Indian Institute of Engineering Science and Technology, Shibpur

I completed my Diploma in Electrical Engineering at the Global Institute of Science & Technology, Haldia, in 2017. The faculty were highly knowledgeable and supportive, ensuring we grasped complex concepts through a hands-on learning approach. The well-equipped labs and focus on industry exposure—through expert lectures and industrial visits—greatly enhanced our practical understanding. It's an excellent place for anyone pursuing a strong foundation in electrical engineering.

Shivashis Sengupta
Batch: 2015-2018
L&T Construction (M&M), Bellary, Karnataka

As an alumnus of the Global Institute of Science & Technology, I take pride in my journey through the Electrical Engineering department—an environment of innovation and excellence. The dedicated faculty, hands-on labs, industry-focused seminars, and internships provided a strong foundation in both theory and real-world application. This transformative experience truly prepared me for the evolving challenges of the electrical engineering field.

Pritam Kumar Banerjee
Batch: 2014-2017
Sr. Engineer (Electrical)
L&T Construction, Dhaka, Bangladesh

I am proud to be an alumnus of the Global Institute of Science and Technology, where I completed my Diploma in Electrical Engineering in 2017. The knowledgeable and approachable faculty, along with well-equipped labs and workshops, provided a strong blend of theory and practical learning. The structured curriculum, industrial exposure, and value-driven environment laid a solid academic and personal foundation. GIST played a vital role in shaping my growth, and I wholeheartedly recommend it to aspiring engineers.

SK ABDUL
DEE, 2019
Tann Utility Service
Pvt Ltd
PLC cum Electrical
Engineer

Souvik Das
DEE
2018
Bothra Shipping
Services PVT. LTD.
Sr. Engineer

Nayan Pramanik
DEE
2023
Websol energy
system limited
Junior Engineer

Soumya Santra
DEE
2019
RHI Magnesita pvt
Ltd.
Site Engineer
Supervisor

Suran Kanta Bala
DEE
2015
West Bengal Public
Works Department
Junior Engineer,
Electrical

Dipankar Maity
DEE
2012
L&T-HED
Asst. Manager

Department of Fire Technology & Safety

Diploma in Fire Technology and Safety is a full-time diploma course. The period of this course is 3 years. It is an open course that helps students to get better job opportunities and promotion in their field as fire and safety officer, health and safety manager, in charge manager.

Diploma in Fire Technology and Safety course focuses mainly on training the students in prevention of fire and safety methods so that they can deal with the situation in a better way and can help people in distress.

This course offers a proper study about how to evacuate people during emergencies and control the situation, thus this course trains the candidate in handling tiring situations like fire or failure in security measures.

VISION

To be an academic institution in dynamic equilibrium with its social, ecological and economic environment, striving continuously for excellence in Fire Technology and Safety and technologically Advanced Fire service and Hazard Management to the Nation.

MISSION

M1: To provide knowledge based technological fire safety and hazard management measures to meet the infrastructural urban development needs of the society and the industry.

M2: The course plan of this program mainly focuses on training its candidates to gain a clear and thorough knowledge of the preventive that can be applied during times of emergency.

M3: The program mainly focuses on teaching the science that is involved in fire and fire fighting. The course broadly covers the topics related to fire prevention, communication systems, engineering of fire safety and first-aid carried on.

M4: The goal of the course is to prevent any mishap that could be caused due to fire and protect people if something like this happens.

List of Laboratories

◆ Fire Fighting Appliances and Rescue Devices Lab
◆ Heat Transfer Technology Lab
◆ Fire Fighting Equipment Lab
◆ Fire Detection System Lab
◆ Risk Analysis and Disaster Management Lab
◆ Fire Suppression System Lab
◆ Industrial Pollution Control Lab

One Day Industrial Visit

• Syama Prasad Mukherjee Port, Haldia Dock Complex
• Indian Coast Guard, Haldia
• West Bengal Waste Management Ltd. (Ramkey)

7 Days Internship

• Syama Prasad Mukjerjee Port, Haldia Dock Complex.

Department of Fire Technology & Safety

Chemistry of Combustion	Basic Physics	Personal Protective Equipment
Discipline	Small & Special gears	Means of Escape
Fire Extinguishers	Hydraulics	Aircraft Fire and Rescue
Hose & hose fittings: types of hose	Electricity	Ship & Dock Fires
Hydrant & Fittings	First Aid & Resuscitation,	Building Construction
Pump &Primers	Hazards & Risk	Occupational hazards & dangerous chemicals
Foam & Foam Making equipment	Hydrocarbon & industrial fires & fire prevention.	Working at height, confined space
Extension Ladder	Accident Prevention	Material handling
Breathing Apparatus set	Safety Concept	Housekeeping and waste disposal
Anatomy of Fire	Factory Act- 1948	Hazardous chemicals
Health	Rescue Procedures	Practical fireman ship
Safety	Ropes & Lines	Ventilation
Welfare and Construction industry	Rural Fire	Watch room procedure & mobilizing
Lighting ventilation & work-related stress.	Water Relay	Disaster management
Fixed fire fighting equipment	Salvage	Prevention, Public education and Pre-incident planning

Department of Fire Technology & Safety

Diploma in Fire Technology & Safety Engineering Syllabus

Semester - III	Semester - IV	Semester - V	Semester - VI
Fundamental of Fire Science	Occupational Safety and Management	Fire Detection System II	Fire Safety Audit
Basic Engineering Materials	Fire Dynamics	Fire Suppression Systems	Program Elective – IV
Fire Codes & Standards	Fire Detection System I	Incident Investigation and Safety Audit	Special Fire Hazards
Heat Transfer Technology	Fire Protection Systems	Program Elective – II	Emergency Planning & First Aid
Electrical Safety	Risk Analysis and Disaster Management	Explosions and Industrial Fire Safety	Fire modeling & Simulation
Fire Fighting Appliances and Rescue Devices Lab	Program Elective – I:	Petroleum Refinery Operations	Entrepreneurship and Start-ups
Heat Transfer laboratory	Safety in Construction	Safety in Mines	Engineering Economics & Project Management (Open Elective I)
Electrical Safety Laboratory	Smoke Management and Ventilation	Program Elective – III	Open Elective II*
Internship-I	Risk Analysis and Disaster Management Laboratory	Road Safety	Mock Emergency Drill Practice (Laboratory)
	Fire Fighting Equipment Laboratory	Fire fighting vehicles and appliances	Major Project
	Fire Detection System I Laboratory	Health, Safety & Environment	Seminar
	Minor Project	Fire Suppression System Laboratory	
		Fire Detection System II Laboratory	
		Industrial Pollution & Control Laboratory	
		Major Project	
		Internship-II	

Staff Profile of Department

Mr.Sandip Ghorai
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Mr.Tapas Kumar Jana
Guest Faculty
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Mr.Aditya Narayan Ganguli
Guest Faculty
Graduation (Fire Engineering), Post Diploma (Industrial Safety), AMIE (Metallurgy), Diploma (Metallurgical Engineering)

Mr.Abhijit Barman
Guest Faculty

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Mr.Akash Jana
Instructor

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Mr.Soumitra Das
Instructor

Diploma (Automobile Engg.), Diploma (Fire and Safety Engg.)
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Department of Basic Science & Humanities

The department of Basic Science and Humanities always plays a crucial role in engineering education. The department imparts core scientific knowledge through subjects like Mathematics, Physics, and Chemistry. These subjects provide the essential theoretical framework and conceptual clarity that are indispensable for comprehending and excelling in advanced engineering studies. English as a subject is taught to improve language-proficiency as well as communication skill, which is vital for teamwork, technical writing, presentations, and workplace interactions.

Studying basic sciences sharpens analytical and problem-solving skills that are crucial for engineering innovation. Through our curriculum, students learn to apply mathematical and scientific principles to critically analyze engineering challenges, develop innovative solutions, and make well-informed decisions.

The department also supports students academically and professionally through guidance and mentorship. We focus on building a strong foundation that enables students to grasp complex engineering concepts with confidence and practical introductory skills. The aim of this department is to nurture competent and socially responsible engineers who are well-prepared to excel in the dynamic technological landscape of the 21st century.

Major Laboratories :

Physics Lab:
- Hook's Law apparatus
- Barometer
- PN Junction Diode Digital Kit
- DC regulated power supply
- PO Box Kit
- Rheostat, Ammeter, volt meter,
- Rechargeable
- Battery, resistance Box
- Optical bench
- Spherometer
- Slide callipers, Hollow Cylinder
- Screw Guage, rod
- Convex & concave Lens
- Glass slab, Reflexion pins
- Hydrostatic Balance
- Weight Box, Sp. Gravity bottle.

Public Health Engineering Lab
- Turbidity Meter & TLC Kit
- Arsenic Kit & pH –Meter
- Gas Chamber
- Refrigerator
- Conductivity Metre & Hardness testing unit

Chemistry Lab
- Flash Point Apparatus (Table Apparatus)
- TLC Kit
- Arsenic Kit
- pH –Meter
- Gas Chamber
- Drier
- Refrigerator
- Condenser
- Turbidity Meter
- Conductivity Metre
- Hardness testing unit
- Digital-weighing balance
- Desiccators

Language Lab
- Projector
- Screen
- Television
- Computer
- Headphone
- Microphone
- Speaker

Department of Basic Science & Humanities

Semester - I	Semester - II

▷ **Theory Subjects**

Semester - I	Semester - II
◆ Mathematics-I	◆ Mathematics-II
◆ Applied Physics-I	◆ Applied Physics-II
◆ Applied Chemistry	◆ Introduction to IT Systems
◆ Communication Skills in English	◆ Fundamentals of Electrical & Electronics Engineering(FEEE)
	◆ Engineering Mechanics

▷ **Laboratories**

Semester - I	Semester - II
◆ Engineering Workshop Practice	◆ Applied Physics-II Lab
◆ Applied Physics-I Lab	◆ Introduction to IT Systems Lab
◆ Applied Chemistry Lab	◆ Fundamentals of Electrical & Electronics Engineering Lab
◆ Sports and Yoga	◆ Engineering Mechanics Lab
◆ Communication Skills in English Lab	◆ Indian Constitution

GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY
(An Institution of ICARE)

Department of Basic Science & Humanities

Staff Profile of Department

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(Department In-charge)

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Pabitra Panda
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Amartya Bera
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Moumita Das Adhikary
Instructor

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Department of Bachelor of Computer Application

To meet the growing need for quality computer education, GIST introduced a 3-year Bachelor of Computer Applications (BCA) program in 2006, which has earned a strong reputation. Now structured over four years and eight semesters, the BCA prepares students for IT careers and higher studies like MCA.

The program covers essential subjects such as Mathematics, Programming, Data Structures, and core computer concepts like Digital Logic and Operating Systems. GIST offers well-equipped labs with broadband and latest software, plus a comprehensive library with online resources.

With the rapid growth of the IT industry and multinational companies entering India, the demand for skilled IT professionals is rising, making the BCA program highly valuable for students aiming for successful careers in IT.

DEPARTMENTAL INFRATRUCTURE

The department features spacious classrooms designed for effective learning. It has three air-conditioned, Wi-Fi-enabled computer labs with over 205 updated machines and software. All labs offer internet access, including online journals, along with ample printing and scanning facilities. Safety is prioritized with fire extinguishers in every lab. Additionally, students can access a virtual library for round-the-clock learning.

List of Application Software:

- ► Microsoft Visual Studio Professional
- ► Dev C++
- ► ORACLE
- ► JDK
- ► Electronics Workbench
- ► Apache OpenOffice 4.1.15
- ► EMU 8086
- ► CISCO Packet Tracer 7.3.0
- ► Python 3.11.4
- ► PHP 8.2.11
- ► Notepad++ 8.5.8
- ► Acrobat Reader 11
- ► Google Chrome 123
- ► WinRAR 7

Toppers in last 5 Years

Year of passout	Name	Percentage of marks
2020	Abhik Das	80.5
2021	Arghya Debnath	82.6
2022	Pratim Bera	89.7
2023	Sanjib Roy	85
2024	Bidisha Biswas	83.4

Department of Bachelor of Computer Application

Bachelor of Computer Application (BCA) Syllabus

Semester - I	Semester - II	Semester - III	Semester - IV
Digital Electronics	Computer Architecture	Python Programming	Data Base Management System
Digital Electronics Lab	Computer Architecture Lab	Python Programming Lab	DBMS Lab
Programming for Problem Solving through C	Basics of Web Design Using HTML, CSS, JavaScript	Data Structure through C	Operating System
Programming for Problem-Solving Lab	Basics of Web Design Using HTML, CSS, JavaScript Lab	Data Structure Lab	Software Engineering
Principles of Management	Minor in Management (Elective)	Minor in Management (Elective)	Minor in Management (Elective)
English & Professional Communication	Modern Indian Languages and Literature	The Constitution, Human Rights and Law	Minor in Management (Elective)
Life Skills & Personality Development	IT Skills	Understanding Basics of Cyber Security	Society, Culture and Human Behavior
Yoga / Health & Wellness / Sports	Critical Thinking / NSS / Mental Health / Environmental Studies		

Semester - V	Semester - VI	Semester - VII	Semester - VIII
PHP with MySQL	Advance Java with Web Application	Data Mining & Data Warehousing / Machine Learning / Pattern Recognition / Algorithm Analysis	Cloud Computing / Block Chain Technology / Artificial Intelligence
PHP with MySQL Lab	Advance Java with Web Application Lab	Corresponding Lab	Corresponding Lab
Object Oriented Programming with Java	Unix and Shell Programming	Research Methodology	Statistical Analysis with R Programming
Object Oriented Programming with Java Lab	Unix and Shell Programming Lab	Research Methodology Lab	Statistical Analysis with R Programming Lab
Minor in Management (Elective)	Networking	Cyber Security	Research Project
Minor in Management (Elective)	Minor in Management (Elective)	Minor in Management (Elective)	
Internship	Minor in Management (Elective)	Minor in Management (Elective)	

ALUMNI FEEDBACK

SUBHENDU GHOSH
Batch: 2015-2018
Organization: COGNIZANT
Designation: Software Engineer

"Grateful for my transformative journey at GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY. Proud graduate, highly recommend for its supportive environment and wide opportunities. Thanks to the Placement Cell for invaluable career guidance and support."

SUNETRA MAJI
Batch: 2016-19
Organization: TCS
Designation: Software Engineer

"Global Institute of Science & Technology has transformed my life by nurturing my skills and boosting my confidence. As alumni, I strongly endorse its holistic education and valuable experiences. I'm deeply grateful to the Teachers, Faculty, Training & Placement officer, and Principal."

PIYALI PRADHAN
Batch: 2017-2020
Organization: WIPRO
Designation: Software Engineer

"Grateful for my time at Global Institute of Science & Technology. A memorable journey of growth and discovery. Proud graduate, I highly recommend its nurturing environment and diverse opportunities."

> **Bring out your inner talent, polish it, get hired, and be an achiever!**

Training is key to shaping engineering students into skilled professionals.

The Training and Placement Cell at our institute helps students build confidence, improve communication, and sharpen analytical and presentation skills through career guidance, aptitude tests, mock interviews, group discussions, and more.

Our alumni have excelled across various fields nationwide. With support from in-house and industry experts, the Cell regularly conducts training programs to boost student motivation and personality development.

We work to connect students with top companies across industries, ensuring the right fit between their aspirations and job opportunities. The Cell actively explores all possible avenues for industry-institute interaction to benefit our students.

MAJOR ACTIVITY (SEMINAR/WORKSHOP) 2024-2025

Date	Topic of the seminar	Eligible Departments	Name of the speaker
30.01.2024	Career Talk Program	BCA, DCE, DCS&T, DME, DEE	Mr. Uma Sankar Banerjee
20.03.2024	Seminar on Data Analytics	DME, DEE, DCE, DCS&T, BCA	Mr. Sayan Mukherjee
10.04.2024	Career Opportunities & Skill Development	DME, DEE, DCE, DCS&T, BCA	Mr. Riju Kundu
22.05.2024	CAD/ CAM & Analytical Software for core engineering	DME, DEE, DCE, DCS&T, BCA	Mr. Sandip Banerjee
03.09.2024	Career Talk Program	BCA, DCE, DCS&T, DME, DEE	Mr. Uma Sankar Banerjee
23.11.2024	Safety in Construction Site	DME, DEE, DCE,DCS&T	Mr. Prantik Adhar Samanta
29.01.2025	Pre Placement Talk	DME, DEE, DCE,DCS&T	Mr. Arijeet Mukherjee
26.03.2025	Emerging Trends on Tile & Stone Installation	DCE	Mr. Jayanta Saha

EXPERT FEEDBACK

Mr. Anurag Kirti
Region Head East & West Global Campus Hiring
WIPRO

"Good Hospitality and Infrastructure. Placement Team was good. Students are well mannered and proper coordination within the students and Coordinators. Hope to conduct the Placement Drive in coming Years also".

Mr. Dhrubjyoti Mukherjee
Cluster HR Manager
L&T Ltd

"The Campus Placement Team did a great job, and the drive was well-organized. Students were well-dressed and maintained proper discipline throughout. The campus is well-maintained, and it's always a pleasure to visit the Global Institute of Science and Technology. We look forward to the same level of excellence next year as well."

Training & Placement Activity

Mrs. Indu Rajput
Human Resource
Geekay Winding Wires Ltd.
"This was my first visit to the campus, and I was impressed by the students' strong technical knowledge. The campus and placement team were excellent. I look forward to visiting again in the coming years to meet more talented students."

Mr. Kanagavel
Executive, Human Resource
Hitachi Astemo Ltd
"The entire placement setup was very professional. The Placement Team ensured our comfort and provided good hospitality. The students are well-versed in technology and current industry trends. We plan to maintain a long-term relationship with the institute."

Mr. Nilimesh Sawant
Human Resource
Subros Ltd.
"Great support from the Placement Team and faculty. Students are smart, aware of the current scenario, and have strong technical skills. Looking forward to Campus Placement 2024-2025."

Mr. Sabyasachi Saha
CEO, Co-Founder at Techno Exponent
M/S T-WEB EXPONENT SERVICES PVT. LTD.
"The placement setup at the institute showed great professionalism, with the team exceeding expectations in hospitality. Students demonstrated strong technical skills and industry awareness. This positive experience has motivated us to bVuild a long-term partnership with the institute."

Mr. Biswajit Sarkar
Manager-Campus recruitment and Talent acquisition
M/s MAVENTIC INNOVATIVE SOLUTION PVT. LTD.
"During my first visit to the campus, I was impressed by the students' technical proficiency and the exceptional atmosphere cultivated by both students and staff. I look forward to returning to engage with more talented individuals and potentially recruit them for our team in the future."

Mr. Abhishek Dutta
MD & Sr. Tech Consultant
M/s DWEB CONSULTANTS PVT. LTD.
"Students exhibited adaptability and resilience, thriving in dynamic environments. Their proactive engagement with industry professionals showcased commitment to growth. I anticipate their future success, confident in their capabilities and readiness for diverse workplace challenges."

"Dream, Dream, Dream. Dreams transform into thoughts and thoughts result in action."
Dr. APJ Abdul Kalam

TECH FEST: GISTech Sadhna

At Global Institute of Science and Technology, we believe technology connects the world and inspires students to innovate. In 2022, GIST organized GISTech Sadhna, a successful tech fest with participation from private and public schools around Haldia. Students showcased creative models and posters and took part in competitions like Face-Canvas, Startup Mania, Debate, and Quiz. The event encouraged innovation and creativity, and the best talents were honored with medals as appreciation.

College Foundation Day

Every year on 19th August, GIST celebrates with cultural programs, cake cutting, and food for everyone.

Teachers' Day

On 5th September, students honor their teachers for their guidance and support.

Freshers' Welcome

New students are welcomed warmly by seniors to help them feel comfortable and start well.

Independence Day

On 15th August, the college holds a flag hoisting ceremony followed by an Inter-College Cultural Meet with various competitions.
Other Celebrations
The institute also celebrates important days like Republic Day, Saraswati Puja, Science Day, and birthdays of Swami Vivekananda, Netaji, and Dr. B.R. Ambedkar.

Social Responsibility & Community Work

GIST organizes blood donation camps, tree planting, and World Environment Day events to build social awareness and encourage students to act with integrity and responsibility.

Annual Cultural Fest

GIST encourages students to join cultural events all year, with the big Annual Fest organized by YUCCA — the cultural committee promoting Youth, Unity, Confidence, Courage, and Ambition.

Annual Sports

The YUCCA Sports Committee holds sports tournaments like cricket, football, badminton, and athletics for both boys and girls. Staff and faculty also join to support the students.

GLOBAL INSTITUTE OF SCIENCE & TECHNOLOGY
(An Institution of ICARE)

Photo Gallery