GAUHATI UNIVERSITY
INSTITUTE OF SCIENCE AND TECHNOLOGY

GOPINATH BARDOLOI NAGAR: GUWAHATI-781014 :: ASSAM

website: www.gauhati.ac.in

B.Tech. and B. Tech. (Lateral) Admissions 2025-26

All B.Tech. and M.Tech. Programmes are approved by AICTE, and updated extension of approval for 2025-26 vide application no.: 1-44641364412 Dated 18th Nov 2024

Prof. Nani Gopal Mahanta
Vice Chancellor

MESSAGE

Gauhati University Institute of Science and Technology is a distinguished and significant unit of our University. The institute has high-end infrastructure and fully equipped laboratories which aim to provide the best facilities to its students. GUIST has proficient and knowledgeable faculty members who actively work for furthering research and innovation.

The institute offers a range of courses that have been selected after thorough study and deliberation. Aspiring individuals can explore various scientific and interdisciplinary areas of interest.

It is therefore my great pleasure to invite students and research scholars to take part in the excellent learning environment of GUIST.

Date: 05.06.2025

Vice Chancellor
Gauhati University

The Gauhati University Institute of Science and Technology

The Gauhati University Institute of Science and Technology (GUIST) had been established in Gauhati University campus in the year 2009 to enhance the quality and innovation in Science and Technology education in the North East region of the country. The main objectives of the Institute are:

1. To offer a holistic approach to the study of Science and Technology subjects and to provide need-based, innovative courses to help students of Assam and the Northeast India, so that they can be adequately equipped to obtain dignified employment.
2. To create and nurture a state-of-the-art environment for the systematic, in-depth, and concerted study of science and technology at undergraduate, post-graduate, and research levels to provide quality education to the aspiring youth of this part of the country.
3. To provide an integrated launch pad for generating the know-how and know-why, and imparting the knowledge to use science and technology as a means of development and social change.
4. To embed science and technology and managerial practices as an extension of the curriculum for providing the skills to students to adopt entrepreneurial ventures as a means of employment generation in this part of the country.
5. To facilitate state-of-the-art infrastructure for imparting basic science and technology education and there by evolve as a credible platform for developing mindsets for innovation and triggering a passion for change.

Until last year's admission, there was a four-year B.Tech programme in the following branches along with two years of M.Tech programme as well as Ph.D. programmes:

- **Biotechnology (Biotech)**
- **Computer Science and Engineering (CSE)**
- **Electronics and Communication Engineering (ECE)**
- **Information Technology (IT)**

From the session 2025-26 a new B.Tech. programme in **Robotics and Artificial Intelligence (RAI)** will be introduced to meet the needs of current trends in engineering education.

Courses of the B.Tech. Programmes are taught within a credit-based semester system governed by the regulations of the semester system and choice-based credit system following the National Education Policy (NEP)-2020 curriculum framework at the University. For the B.Tech. Programmes, students are required to study common courses on the fundamentals of Physics, Chemistry, Mathematics, Biology, Computational Skills, Communications, Workshops, and Laboratory work during the first year and humanities, science, and management courses during the other semesters of the programme along with the departmental courses. Such a requirement is multidisciplinary in its approach and will provide students in this region with adequate exposure to the knowledge and skills essential for quality research. As per NEP-2020 the courses of B.Tech. programme has been redesigned.

Admission Process

Fig.1: GUIST New Academic Building

Admission process for B.Tech., and B.Tech. (Lateral) programme offered at Gauhati University Institute of Science and Technology for the session 2025-26 is in the process.

The B.Tech admission will be in the following two modes:

1. For **B.Tech in CSE, ECE, IT and RAI**, a maximum 20% of total seats will be filled up from JEE (Main)-2025 qualified candidates. The counselling for the candidates seeking admission in GUIST based on JEE (Main)-2025 Rank and will be held at the GUIST. The schedule for counseling will be notified on GU website. The remaining seats will be filled up from CEE (Assam)-2025 counseling to be conducted by the GUIST as per the schedule to be notified on the GU website.
2. In case of **B.Tech in Biotechnology**, 50% of seats will be filled up through entrance test to be conducted by the concerned department and from the remaining seat 20% seats will be from JEE (Main)-2025 and 80% seats from CEE (Assam)-2025 qualifed candidates.
3. Candidates with valid **PRC of Assam** only can apply for the admission.

There will be an online form available at **www. gauhati.samarth. ac.in** which will be lived from **13ᵗʰ June, 2025**. The last date of submission of application will be mentioned on the application form. The list of eligible candidates to appear in the counselling will be notified on the GU website as well as the SAMARTH portal after last date of application. Interested candidates are asked to regularly visit GU website for further updates.

For **B.Tech. (Lateral)- 2025** the admission will be through counselling to be conducted based on JLEE-2025 Rank. For details, please do visit GU website to get further updates. The admission criteria and relaxation of marks in the qualifying examination will be as per JLEE (Assam)-2025 norms and the AICTE approval process handbook 2024- 2027.

Courses offered by GUIST

Programme	Branch	Eligibility	Admission criteria
B.Tech. (4 yrs)	Biotechnology, Computer Science & Engineering, Electronics & Communication Engineering, Information Technology, Robotics and Artificial Intelligence	As per CEE (Assam) -2025 and JEE (MAIN)-2025 norms	As per CEE (Assam)-2025 marks/rank and JEE (Main)-2025
B.Tech. (Lateral entry to 2nd year) *	Biotechnology	3-year Polytechnic Diploma or equivalent/ B.Sc. in relevant branch	Based on Rank at JLEE(Assam)-2025
	Computer Science and Engineering	3-year Polytechnic Diploma in the concerned branch/relevant branch	
	Information Technology		
	Electronics and Communication Engineering	3-year Polytechnic Diploma or equivalent in the concerned branch / B.Sc in Electronics	
* Candidates with B.Sc must have Mathematics at (10+2) level and as per AICTE approval process handbook 2024-2027			

Number of Seats

Branch	No of seats
B.Tech in Biotechnology	30
B.Tech in Computer Science & Engineering	40
B.Tech in Electronics and Communication Engineering	40
B.Tech in Information Technology	40
B.Tech in Robotics and Artificial Intelligence	30
For B.Tech. (Lateral Entry) number of seats is as per AICTE guidelines and will be notified at the time of admission.	

Fig.2: Gallery 1 of GUIST

Reservation of Seats: The reservation of seats will be as per provisions of Gauhati University as well as the Government of Assam Rules. The relaxation of marks in the qualifying examination will be as per CEE (Assam)-2025 norms and the AICTE approval process handbook 2024- 2027.

    <u>Reservation for Permanent residents of Assam</u>

      a. Scheduled Caste   7%
      b. Scheduled Tribes (Plains) 10%
      c. Scheduled Tribes (Hills) 5%
      d. O.B.C./ M.O.B.C.   27% (including special reservation for Ahom, Tea Garden, Koch Rajbongshi, Chutia, Moran and Motak)
      e. Economically Weaker Section (EWS) 10% in each branch
      f. Differently abled persons 1 seat in each branch of the B.Tech. programme (Total 4 Seats)
      g. Employee quota*: 1 seat in each branch as supernumerary
      h. Ex-employee**: Total 1 seat including all branches as supernumerary
      i. Fringe Village**: Total 1 seat including all branches as supernumerary
      j. Students with Extra and Co-Curricular efficiency/ NCC/ NSS **: Total 1 seat including all branches as supernumerary

<u>*/**Additional prescribed forms for these categories (GU Employee, EC, and Fringe Village) are available at the Gauhati University website, and the filled-up form needs to be submitted to the GUIST office on or before 30th June, 2025 during office hours. The rules and regulations for reservation under these categories will be as per the existing GU rule.</u>
<u>**Allocation of branches under these categories will be according to CEE (Assam)-2025 rank</u>

Other Reserved Seats:

7 seats in B.Tech. programme is reserved for other North Eastern states: 1 seat for each of the states of North East other than Assam. The candidates seeking admission under this category need to contact the respective Directorate of Higher Education/Technical Education of the state.

    The seat matrix for the NE states for the current session is as follows,

NE state	Branch	No of seat
Arunachal Pradesh	Biotechnology	1
Mizoram	Information Technology	1
Meghalaya		1
Nagaland	Computer Science and Engineering	1
Sikkim		1
Tripura	Electronics and Communication Engineering	1
Manipur		1

Fig. 3: The GUIST Library

An International student seeking admission in B.Tech programme will be admitted on super numeric basis in different branches. Details of this category are available at GU website.

Documents to be submitted at the time of admission:

o   Self-attested copies of the following documents are required to submit at the time of admission:
o   Admit card/ score card of CEE(Assam)-2025/ JEE(Main)-2025
o   Permanent Residence Certificate (PRC) of Assam
o   HSLC(10) pass certificate/Admit Card as proof of age
o   Higher Secondary (10+2) pass certificate
o   Mark sheet/ Grade sheet of HSLC(10) examination
o   Mark sheet/ Grade sheet of Higher Secondary(10+2) examination
o   Caste certificate for SC/ST/OBC etc. candidates from the appropriate authority as approved by the Government of Assam (OBC NCL certificate is mandatory for OBC category as per GU rule)
o   Mark sheet/ Grade sheet and certificate of diploma exam for B.Tech. Lateral Entry
o   Appropriate documents for applying to the other reserved categories
o   Gap certificate wherever applicable

Uniform: Students admitted to the B.Tech Programmes will be required to wear uniforms prescribed by the University. Particulars in this regard will be announced during the time of admission/ orientation programme.

Hostel Facilities: Hostel seats will be provided in the University hostels depending on the availability.

Fig.4: GUIST Seminar Hall

Admission Procedure

Programme	Procedure			
B.Tech	Counselling based on JEE(Main)-2025 Score/ Rank	Admission: on allotment of the seat from the counselling conducted by GUIST, deposit admission fee after verification of documents at GUIST	The date of counselling will be notified on the GU website.	Admission desk at GUIST
	Allotted students based on CEE(Assam)-2025 Score/ Rank			
B.TechLateral Entry	Allotted students based on JLEE-2025 Score/ Rank	Admission: on allotment of seat deposit admission fee after verification of documents at GUIST	The date of counselling and admission will be notified on the GU website	www.gauhati.ac.in All further updates will be notified on the website only
Applications for other reserved categories (GU employee, Fringe Village, Extra and Co-curricular activities) etc. are to be submitted at the office of the GUIST within 30th June, 2025				

Fee structure for B.Tech. Programme

Sl.	Fee Head	B.Tech.	
		Odd Sem.	**Even Sem.**
01	Admission Fee (Annual)	4840	--
02	I Card Fee (Annual)	130	--
03	Library Card Fee (Annual)	130	--
04	Library Fee (Annual)	850	--
05	Student Welfare Fee (Semester)	610	--
06	Course Fee (Semester)	18150	18150
07	Laboratory Fee (Semester)	1815	1815
08	Exam Fee (Semester)	1455	1455
09	Utility Fee (Annual)	1000	--
	Total:	**28980.00**	**21420.00**

General Information and Rules:

1. No student shall be admitted to any programme of study if he/she is found to have indulged in activities detrimental to academic interest.
2. No student will be admitted to more than one course in the same shift.
3. A student who is found to violate the University rules shall be liable for expulsion.
4. If a student's involvement in any incident of ragging comes to the notice of the authorities, such a student will be given an opportunity to explain, and if his/ her explanation is not found to be satisfactory, that student will be expelled from the University.
5. A student who is found to have indulged in consumption of drugs or intoxicating drinks, gambling and other unsocial activities shall be liable for expulsion.
6. Students admitted to various courses of studies are required to participate in instructions (Lectures, tutorials, seminars, laboratory works, and other academic activities) as prescribed in the relevant Regulations and shall be expected to participate in the Co-curricular and Extra Curricular activities organised by Department or by the University. They are expected to appear in the examination due at the end of the course of studies. Students who fail to do so without providing sufficient reasons to the

satisfaction of the competent authority shall not be permitted to continue their studies in the next following year.

7. Attendance in classes is compulsory. To be eligible to sit for the Examinations as a regular candidate, the students should have at least 75% of attendance of lectures (separately for the theoretical and practical classes) as prescribed in the concerned Regulations.
8. According to the ordinace, if a student is absent for more than 6(six) weeks in a semester without sanctioned leave his/ her name will be struck off the rules.
9. Each Academic session will run as per the Academic Calendar published by the University.
10. The admission will be granted by the provision made in the Ordinance on the admission of students to B.Tech courses etc.
11. The students will have to comply with the Regulations for the course and other rules and orders as may be prescribed by the University authorities from time to time.
12. The decision of competent/ appropriate bodies like the residence, health and discipline board and the Executive Council on all matters relating to students' indiscipline will be final and binding.

Anti-Ragging Declaration: An ANTI-RAGGING undertaking as instructed in the **http://www.antiragging.in/** has to be submitted online in the anti-ragging portal as mentioned and a copy of the same is to be submitted to the Director, GUIST on the day of the first class in the University. This is mandatory to get the admission confirmed.

IMPORTANT DETAILS

Date of counselling and admission for B.Tech. programme based on JEE (Main)-2025 score	
Date of counselling and admission for B.Tech based on CEE(Assam)-2025 qualified candidates to be conducted by Gauhati University at GUIST	Through online form to be available at **www.gauhati.samarth.ac.in** from 13th June, 2025
Date of Counselling and admission for B.Tech Lateral Entry based on JLEE-2025 Rank to be conducted by Gauhati University	

Fig.5: The GUIST Gallery 1

Contact:
  Director: **Prof.TulshiBezboruah**
                Gauhati University Institute of Science and Technology
                (GUIST New Building)
                Guwahati 781014, Assam, India
                Email: *director@gauhati.ac.in*

Departments under GUIST:
Applied Sciences

Fig 6: Department of Applied Sciences

The Department of Applied Sciences was established in 2014 by merging three erstwhile Departments of Chemical Science, Mathematical Science and Physical Science. Presently the department is offering Five Year Integrated Master's (FYIMP) and Ph.D. Program in Chemical Science, Physical Science and Mathematical Science. Moreover, the department is dealing with the core compulsory, common, and science elective courses of the B.Tech. in BT, ECE and IT programs. At present, about 40 students are working for their PhD degree. The Department has faculty members in different fields of Chemical, Mathematical and Physical Sciences. Students from the Department have been undertaking their curriculum projects in different international, national institutes and centres of repute. Most of the former students of the department are placed in government and public sector jobs and many are pursuing higher studies in reputed institutes of the country and abroad. The departmental faculty members are also actively involved in research works, both theoretical and experimental in collaboration with reputed national and international institutes.

Fig 7: One of the Laboratory of the Department of Applied Sciences

Courses:

1. Five Year Integrated Master's Program (FYIMP) in Applied Science with specialization in (i) Chemical Science (ii) Mathematical Science and (ii) Physical Science
2. Doctor of Philisophy (Ph.D.) in (i) Chemical Science (ii) Mathematical Science and (ii) Physical Science

   HoD: Prof. PranjalSaikia
   Email: pranjalsaikia@gauhati.ac.in

Bioengineering and Technology

The Department of Bioengineering and Technology began its journey in the year 2009 with the vision to create potent theoretical and technical knowledge in the field of Biotechnology that percolates as employable learners in the arena of employment market. The Department started offering B.Tech in Biotechnology with an intake capacity of 18 in 2009. Presently there are 30 seats available which are filled through CEE/JEE/ and, the entrance test conducted by the Gauhati University. Masters programmes of the Department includes M. Tech. in Biotechnology Programme, started in the year 2014 which was renamed as M. Tech. in Bioprocess Technology from 2023 with an intake capacity of 18;. PhD programme in Biotechnology and allied fields started in 2012 to support R&D sectors. The Department has produced 13 batches of B.Tech. in Biotechnology, 6 batches of M.Tech. in Biotechnology, 2 batches of M.Sc. in Cancer Biology, three batches of M.Sc. in Food Science under the integrated M.Sc-Ph.D. programme, and 60 PhDs in Bioengineering and Technology. In addition, the Department has hosted seven postdoctoral fellows in the past 13 years to carry out research in various aspects. The faculty members have been involved in extensive research the results of which have been published around 300 research articles in journals of National and International repute; two patents (1granted and 1 published) in past 14 years.

Courses offered by the Department:
1. B. Tech in Biotechnology
2. M. Tech in Bioprocess Technology
3. Ph. D. in Bioengineering and Technology

Facilities
All classrooms in the Department are equipped with ICT-enabled infrastructure. The Department also houses an internet-connected computer lab to support academic and research activities. Bioengineering students and researchers conduct experiments seamlessly in state-of-the-art laboratories, backed by high-end research facilities that ensure the quality and precision of scientific work.

Key equipment includes FACS, Microbial Identification System, Multimode Plate Reader, High-Performance Computing systems, ÄKTA Start Protein Purification System, Ultra-Sonicator, Fluorescence Microscope, GC-MS, GC, HPLC, and more. These advanced facilities significantly enhance the Department's capacity to

undertake high-quality research projects funded by prestigious agencies such as DBT, DST, DHR, ICMR, AICTE, and others.

Additionally, the Department maintains well-established animal and plant cell culture facilities, further supporting a broad spectrum of research endeavors.

Fig 8: Faculty members of the Department of Bioengineering and Technology(left) one of the laboratories of Department of Bioengineering and Technology(Right)

Alumni

Graduates from the Department have successfully established themselves in diverse fields across India and abroad. Many have pursued Ph.D. programs at premier institutes such as IITs and NITs. Our alumni are employed in esteemed organizations including Biotech Park, the Food Corporation of India (FCI), and various other government agencies.

Several B.Tech. and Ph.D. holders have also qualified for the Assam Civil Services. Over a dozen graduates have been recruited by leading biotech and pharmaceutical companies such as Eli Lilly, Biocon, Nestlé, Sun Pharma, Abode Biotech, Syngene, and Indigen. A few have entered the banking sectors; while others have pursued MBAs, with some going on to become successful entrepreneurs.

FacultyMembers

Prof.ManabDeka, Professor and Head
Prof.KandarpaKumarSaikia, Professor
Dr.DebabratBaishya, Associate Professor
Dr.SubhashMedhi, Associate Professor
Dr. Sofia Banu, Associate Professor
Dr. Md. Ghaznavi Idris, Assistant Professor
Dr.Madhuri Das, Assistant Professor
Mrs. BharatiBaruah, Assistant Professor
Scientific Officer
Dr.Rituparna Borah

HoD: Prof. ManabDeka
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Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering was established during the session 2009-10. The primary strength of the department is in the areas of Deep Learning, Soft-computing, Digital Signal Processing, all areas of Communication Engineering, Speech Processing, Computer Vision, Biomedical Signal Processing and VLSI Design. The department presently has ergonomically designed laboratories and related facilities to fulfill the requirements of B.Tech., M.Tech. and research programmes. The department has multiple labs for BTech each of seating capacity of around 50, a computer lab equipped with related software, microprocessors, microcontrollers, and related embedded systems lab. Independent computing facilities are provided to perform simulations based designs using software environments like MATLAB, LabVIEW, REMCOM wireless suite, Multisim, PSPICE, VLSI design packages of Xilinx and Cadanceetc.'s of which complete support and related services are available. Internships for B.Tech. students are compulsory and are conducted at different stages of progression. Students of B.Tech. 4th year and M.Tech. 2nd year are encouraged to take up research-based topics for project courses which terminate in a thesis, parts of which are also communicated to national/ international conferences/ journals. Coaching by reputed institutes and organizations for GATE is organized each year by the department. The department also organizes a number of need-based technical refresher courses to enhance the skills and knowhow of the students. The department also has well-stocked library of its own. All classrooms and laboratories are equipped with contemporary audio-visual aids. The M.Tech. programme is with two distinct specializations viz. Signal Processing and Communication (SPC) and Signal Processing and VLSI Design (SPV).

Fig. 9: The Department of Electronics and Communication Engineering

The department has introduced relevant courses like Cognitive Radio and Software Defined Radio as part of M.Tech. curriculum and has made provisions to run experiments and guide students to adopt such technologies for advanced communication designs. Further, IoT, robotics, home automation, machine learning and AI, nano-electronics, micro-strip patch antenna design, speech processing and pattern recognition based works are popular domains of work among students. The department has received support under AICTE NEQIP during 2014-17 and TEQIP III during 2018-21. The department has certain contemporary facilities and systems like software and CNC machine for antenna fabrication, high-end spectrum analyser and VNA, optical fibretrainer set up, MIMO training test bed etc. Recently the department has procured antenna prototyping and fabrication facilities. Students have continuously taken part and won laurels in different innovation and design oriented events namely UTKRANTI, UDHVAV etc organized by the Start-Up and

Innovation Cell of GUIST. The department hosts a students' society by the name Resonics, a IEEE Student Branch and a Robotics club. During the 2018-19 session, placement activity saw nearly 100% in-campus recruitment for BTech students by different organizations. A few of the prominent recruiters include Cognizant, Wipro, TCS, Infosys, HifrekPvt Ltd, Zaloni, Subex, Abaqus, Capegemini, Alliance Communication, Reliance Communication etc. The students of the department also have demonstrated excellence in sprots and other outdoor activities.

Courses:
1. B.Tech. in Electronics and Communication Engineering.
2. B. Tech in Robotics and Artificial Intelligence.
3. M. Tech in Advanced Communication and Information System
4. M. Tech in VLSI and Microelectronics
5. P.G. Diploma in Semiconductor and VLSI Design

Facilities:

Electronics and Project Lab: It has provisions for about 50 students. It is mainly intended to run lab courses in the first three years of the B.Tech. programme. It has regulated DC power supplies, CROs, DSOs, Function generators, etc. suitable for up to 10 MHz and a few DSOs up to 20 MHz. The Project Lab has provisions for advanced design and project works supporting up to 50 students. It is equipped with DDS function generators, DSOs, power supplies, etc. It also has computers for interfacing, simulation, software-based design and fabrication, etc.

Fig.10 : One of the Laboratory, Department of ECE

Microprocessor Lab: Provisions for 50 students for experiments using 8085 and 8086 and required peripherals.
Microcontroller Lab: It is equipped with 8051 and PIC Microcontroller.
DSP Processor Lab: Equipped with ADSP-2lXX, ADSP BF533, TMS320C540 and TMS320C67XX Processors.
Microwave Lab: It has provisions for 20 students for experiments using microwave benches.

Communication Lab: Provisions for 50 students for analog & digital communication experiments, Satellite Communication experiments using trainer kits.

Simulation Lab: It has 50 nos. of computer for design based work using MATLAB, LABVIEW, PSPICE, MICROSIM, MULTTSIM etc. It also has provisions for VLSI design using different tools.

Signal Processing, Image Processing, Computer Vision Lab: It is intended to support course related to signal and imageand Computer Vision of B.Tech. and M.Tech. programmes.

Mobile Communication Lab: It is equipped to perform practical and design of mobile communication experiments.

HoD:Dr. Anjan Kr. Talukdar
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Department of Information Technology

The Department of Information Technology, Gauhati University was established in 2009, to facilitate state-of-the-art infrastructure for different Undergraduate, Postgraduate and Research programmes in the field of Computer and Information Technologies. Information Technology (IT), Information Science, Computer Science both theoretical and applied, and Computer Engineering all have been the widely accepted disciplines among the students fraternity across the globe in recent decades. IT has further broadened its horizon, crossing its own boundary, emerging as a tool and facilitator for requirements across the disciplines, from Linguistics to Health Care, Governance to Product Design, Space Science to Demographic Analysis, Entertainment Industries to Home Automation, Heritage Preservation to Social Well-Being. The growing demands of trained and skilled personnel in a variety of directions and specializations have been motivating and inspiring the students to undertake different programmes of studies. Looking at the needs of aspiring students of the region, different programmes are designed and offered for students to meet their requirements at different levels of studies. The Postgraduate and Research programmes are designed to build the capacity of the region in terms of human resource and local intellectual and technological resource developments. Contemporary specialized studies and research like AI, Data Science, Machine Learning & Deep Learning, IoT, Brain Computer Interface, Natural Language Processing, Cyber Security, Image and Speech Processing, Large-Scale Software Development, Animation and Graphic Design etc. have been already introduced as part of the UG, PG, and Research Programmes. All programmes have been restructured from the 2024-25 Academic Session as per the NEP 2020 frameworks and guideline.

Impressive placement records for 2025 passed out batch, with more than 50% already placed during their 7th and 8th Semesters, that includes 26 nos. of students placed in MNCs like CodeYoung, Teachnook, Cognizant, LTIMindtree, Unacademy etc. Most of the passed out students are currently working at MNCs like TCS, Infosys, Wipro, HCL Technologies, Tech Mahindra, Accenture, IBM etc. Few of our passed out students got opportunities for their higher education in internationally known prestigious institutions like Nottingham University-UK, Aston University-UK, Loughborough University-UK, University of Strathclyde-UK, University of Sussex-UK, IIT Guwahati, IIIT Guwahati, IIT Mandi etc.

The Alumni of the department have scored far-high in global top destinations, including positions at University of Cambridge, Stanford University, and German Centre for Artificial Intelligence (DFKI).

Few recent achievements of the department
1. *RUSA, Assam collaborated with Department of Information Technology, Gauhati University for the design and development of three Unicode compliant Assamese fonts namely USHA, JONAKI, and*

Bahi, along with two soft-keyboards namely As-Script and As-Phonetic. The Govt. of Assam has appreciated the effort for successful completion of the project and the effort got special mention in the Budget speech at Assam Legislative Assembly in July, 2021.

2. *A center named "Center for R&D in Digital enablement of Local Languages" has been established in the department funded by Govt. of Assam in 2023 for various technology development in local North-East India Languages on digitalplatforms.*

3. *The Ministry of Electronics and Information Technology (MeitY) ,Govt of India funded a large scale collaborative project titled "Ishaan: A bidirectional machine translation system for Assamese, Bodo and English" and the R&D works are going on in the department since 2022.*

4. *The Department has successfully Designed and Structured a Cloud-based Mega-Software platform for the complete automation of the students' life cycle of Gauhati University including all from the 300+ affiliated Colleges, and currently hosting millions of records against many lakhs of UG, PG, and PhD students through onlinegu.in portal.*

5. *Govt. of Assam budget allocation of Rs. 1 Crore for Centre for R&D in Digital Enablement of Local Languages, in the 2025-26 Budget.*

Fig 12: The Department of IT, Gauhati University

Programmes:
   1. B.Tech. in Computer Science & Engineering
      [Also with provisions for Honours in-
         i. Artificial Intelligence and Machine Learning
         ii. Data Science]
   2. B.Tech. in Information Technology
      [Also with provisions for Honours in-
         i. Artificial Intelligence and Machine Learning
         ii. Data Science]
   3. M.Tech. in Information Technology
   4. M.Tech. (Research) in AI & ML [Modular]
   5. Integrated B.Voc./M.Voc. in Animation and Graphic Design
   6. Integrated B.Sc./M.Sc. in Software Development
   7. PhD. in Information Technology

Facilities:

The Department of Information Technology has well equipped laboratories with GNU/Linux systems and MS Windows systems for general purpose computing. Along with the general computing infrastructure, the department is also equipped with Network Lab, Simulator based Embedded System Lab, AI and Natural Language Processing Lab, Brain Computer Interfacing (BCI) Lab, Image and Speech Processing Lab, Cryptography and Cyber Security Lab, Application Development Lab and High-end GPU Server Facilities. The laboratories are connected with 24x7 high speed Internet. The department also offers in-campus secured Wi-Fi facilities to the students and staff. Theory and laboratory classes are taken in modern classroom environment with audio visual facilities. Current Research activities in the department include AI, Machine Translation, Local Language Technology Development, Image and Speech technologies, BCI, Cyber Security, Machine Learning and Deep Learning, Cultural Informatics etc.

Department has recently acquired an AI ready GPU server RTX A6000 for AI/ ML-DL Experiments and Learning.

HoD: Prof. Shikhar Kumar Sarma
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Training and Placement Cell

The Training and Placement Cell at GUIST oversees the institute's recruitment processes, ensuring students have access to promising career opportunities. It actively supports final-year students by facilitating campus interviews and exploring various placement avenues, helping them secure jobs that align with their skills and achievements. The cell extends full assistance to visiting organizations, providing the necessary infrastructure to conduct seamless recruitment drives. Placement activities take place throughout the year, ensuring final-year students are connected with institutions and organizations for higher studies or professional roles.

Some of the prominent hiring organizations are :-

Training & Placement Cell in charge:
Prof.PranjalSaikia
Dr.ChandanKalita

Contact: tpc.guist@gauhati.ac.in

Fig.11: Placement drive

Fig.12: Clean Campus drive

Fig.13: Logical reasoning drive

Fig.14: Universal Human Value drive

Fig.15: Orientation Program 2024

Fig.16: Alumni Meet 2024

Fig.17: Art and Craft designs