



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 2021-22

All B.Tech. and M.Tech. Programmes are approved by AICTE, and updated extension of approval for 2021-22 has been granted vide letter no.:F.No.Eastern/ 1-9318710028/2021/EOA; Dated: 25-June-2021



Message from the Vice Chancellor



I take this opportunity of welcoming students coming from various parts of Assam, joining the university in undergraduate programmes. Most of such students have moved away from the folds of their family to another in their quest of knowledge. One needs to feel that they are just moving away from one family fold to another.

Our endeavor is to give the best academic supports, state-of-the-art laboratories and research facilities, including an audio-visual aid assisted classroom environment. Gauhati University (accredited by NAAC as a Grade A institution), as the first and premier University of the entire North-East India, reiterates its commitment and accountability towards empowering the people with new vistas of learning and relevant programmes of studies.

The B.Tech. programmes in different disciplines at Gauhati University Institute of Science and Technology (GUIST) have been creating new opportunities of learning for the students of this part of the country. As part of these capacity-building programmes, students and guardians should rest assured that the best possible academic environment and facilities are being provided. I, wish and assure you, on behalf of the University family, that we will help you pursue your objectives of life under the varied social, cultural and economic environment and make the University family proud of your attainments.

Prof. Pratap Jyoti Handique
Vice Chancellor
Gauhati University

Admission Process



Admission process for B.Tech., and B.Tech. (Lateral) programme offered at the Gauhati University Institute of Science and Technology for the session 2021-22 is in the process.

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

1. Maximum 20% seats will be filled up from JEE (Main)-2021 qualified students. The counselling for JEE (Main)-2021 qualified students will be held at the GUIST as per schedule to be notified on the GU website. Candidates with valid PRC of Assam only can attend the counselling.
2. The remaining 80% seats and any seats that remained vacant from above 20% will be filled from CEE (Assam)-2021 counseling to be conducted by Directorate of Technical Education, Govt. of Assam as per the schedule to be notified by the DTE, Assam in the local Newspapers.
3. In the case of B.Tech. in Biotechnology, the seat remains vacant after both the counselling (mentioned in Sl. No. 1 & 2) will be filled-up from the list of candidates from the entrance test conducted by the concerned department.

The list of eligible candidates to appear in the local counselling and cut-off score for the counselling to be held at GUIST based on JEE (Main) -2021 Score will be notified at the GU website. The online application form for admission through JEE(Main)-2021 score will be available on GU website from 15th September, 2021 Wednesday. There is no need for submission of forms for B.Tech. admission based on CEE Assam-2021 score before counselling.

Applicants for B.Tech. (Lateral)- 2021 admission need to apply through an online form. The merit list of applicants based on the marks obtained in the qualifying examination will be published on the GU website. The online application form will be available from 15th September 2021 Wednesday at www.gauhati.ac.in.

Programme	Branch	Eligibility	Admission criteria
B.Tech. (4 yrs)	Biotechnology, Computer Science & Engineering, Electronics & Communication Engineering, Information Technology	As per JEE (MAIN)-2021and CEE (Assam) -2021 norms	As per JEE(Main) and CEE(Assam)marks/ rank
B.Tech. (Lateral entry to 2 nd year) *	Biotechnology	3-yearPolytechnic Diploma or equivalent/ B.Sc. in relevant branch	Based on the marks obtained in the qualifying examination
	Computer Science and Engineering	3-year Polytechnic Diploma or equivalent in the concerned branch/ B.Sc. in 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			

Number of Seats

Branch	No of seats
B.Tech. in Biotechnology	30
B.Tech. in Computer Science & Engineering	27
B.Tech. in Electronics and Communication Engineering	40
B.Tech. in Information Technology	27



Application Fee: An amount of ₹400/- (Four Hundred) only has to be paid as an application fee through SBI collect.

Reservation of Seats: The reservation of seats will be as per GU and as well as Government of Assam Rule. The relaxation of marks in qualifying examination will be as per CEE(Assam)-2021 rules.

Reservation for Permanent residents of Assam

- a. Scheduled Caste 7%
- b. Scheduled Tribe (Plains) 10%
- c. Scheduled Tribe (Hills) 5%
- d. O.B.C. and M.O.B.C. 15%
- e. Differently abled persons 1 seat in each branch of the B.Tech. programme (Total 4 Seats)
- f. Economically Weaker Section (EWS) 10% reservation from unreserved category in each branch

Other Reserved Seats:

7 seats in B.Tech. programme: 1 seat for each of the states of North East other than Assam. Please contact the respective State's Directorate of Higher Education/Technical Education.

Permanent Employee of GU*: 1 seat in each branch of B.Tech. programme

Students with Extra and Co-Curricular efficiency*: 1 seat in B.Tech. programme

Fringe Village*: 1 seat in B.Tech. programme

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 on GU website.

* Additional prescribed forms for these categories (GU Employee, EC, and Fringe Village) are available on the Gauhati University website or at the GUIST office and the filled-up form needs to be submitted in the GUIST office. The rules and regulations for reservation under these categories will be as per the existing GU rule.



Documents to be submitted at the time of admission:

- Self-attested copies of the following:
 - Admit card of CEE/ JEE(Main)
 - Permanent Residence Certificate (PRC)
 - HSLC pass certificate/Admit Card as proof of age
 - Higher Secondary pass certificate
 - Mark sheet/ Grade sheet of HSLC examination
 - Mark sheet/ Grade sheet of Higher Secondary examination
 - Caste certificate for SC/ST/OBC etc. candidates from the appropriate authority as approved by Government of Assam
 - Mark sheet/ Grade sheet and certificate of diploma exam for B.Tech. Lateral Entry
 - Appropriate documents for applying to the other reserved categories
 - 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: Few hostel seats may be available in the University hostels depending on the availability. However, rented rooms and houses are nowadays available in the surrounding areas of the University, where any University student can stay.



Programme	Procedure			
B.Tech.	The list of candidates eligible candidates will be notified in GU website to appear in Counselling based on JEE(Main)-2021 score	Admission: on allotment of seat based on JEE(Main)-2021 score (counselling to be conducted by GUIST) deposit Admission Fee through SBI collect	The date of counselling and admission will be notified in GU website.	JEE (Main) counselling desk at GUIST
	Allotted students from CEE(Assam)-2021 counselling (To be conducted by the DTE, Assam)	Admission: on allotment of seat from CEE(Assam) - 2021 counseling, deposit admission fee through SBI collect after verification of documents at GUIST	The date of counselling will be notified by the DTE, Assam. Date of admission will be notified in GU website.	CEE(Assam) - 2021 Admission Desk at GUIST
B.Tech. Lateral Entry	Allotment of seats to the shortlisted candidates in the counselling (to be conducted by GUIST)	Admission: on allotment of seat deposit admission fee through SBI collect after verification of documents at GUIST	The date of counselling and admission will be notified in 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) are to be submitted at the office of the GUIST within 30 th September, 2021 Thursday				

Schedule of Fees

B.Tech.:

Sl.	Fee Head	B.Tech.	
		Odd Sem.	Even Sem.
01	Admission Fee (Annual)	4400	--
02	I Card Fee (Annual)	110	--
03	Library Card Fee (Annual)	110	--
04	Library Fee (Annual)	770	--
05	Student Welfare Fee (Semester)	550	--
06	Course Fee (Semester)	16500	16500
07	Laboratory Fee (Semester)	1650	1650
08	Exam Fee (Semester)	1320	1320
09	Utility Fee (Annual)	650	--
	Total:	26060.00	19470.00

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 shall 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 would be given an opportunity to explain, and his/ her explanation is not found satisfactory, that student will be expelled from the Gauhati 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 to 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 assigning sufficient reasons to the satisfaction of the competent authority shall not be permitted to continue their studies in the 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. Each Academic session will run as per the Academic Calendar published by the University.
9. The admission will be granted in accordance with the provision made in the Ordinance on admission of students to B.Tech. courses etc. and Regulations and other rules of the University.
10. The students shall 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.
11. The decision of competent/ appropriate bodies like the residence, health and discipline board and the Executive Council on all matters relating to students' indiscipline shall be final and binding.

IMPORTANT DATES	
Activation of online form for B.Tech. based on JEE (Main)-2021 score	September 15, 2021, Wednesday
Activation of online form for B.Tech. Lateral entry	September 15, 2021, Wednesday
Last date of submission of online forms for B.Tech. based on JEE (Main)-2021 score	September 22, 2021, Wednesday
Last date of submission of online forms for B.Tech. Lateral entry	September 22, 2021, Wednesday
Announcement of the shortlisted candidates for B.Tech. based on JEE (Main)-2021 score on GU website	September 25, 2021, Saturday
Announcement of shortlisted candidates for B.Tech. Lateral Entry on GU website	September 27, 2021, Monday
Date of Counselling and Admission for B.Tech. based on JEE (Main)-2021 score	September 28, 2021, Tuesday
Date of Counselling and Admission for B.Tech. Lateral Entry	September 29, 2021, Wednesday
Admission for JEE(Main) B.Tech. based on JEE (Main)-2021 score	September 28, 2021, Tuesday to September 30, 2021, Thursday

Admission for B.Tech. Lateral Entry	September 29, 2021, Tuesday to September 30, 2021, Thursday
Counselling and Admission for CEE(Assam)-2021 qualified candidates: Date of admission will be notified in the GU website www.gauhati.ac.in and the Directorate of Technical Education, Assam	To be Notified by the DTE, Assam

Contact:

Director: **Prof.Manab Deka**
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Departments



1. Applied Sciences : The Department of Applied Sciences was formed in 2014 by merging three erstwhile Departments of Physical Science, Chemical Science, and Mathematical Science. Presently the department is offering M.Tech. in Material Science and Technology and Ph.D. 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. student of GUIST. The Department has faculty members in different fields of Physical, Chemical and Mathematical Sciences. Students from the Department have been undertaking their curriculum projects in different national institutes and centers 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 or abroad. The departmental faculty members are also actively involved in research works, both theoretical and experimental in collaboration with reputed national and international institutes.



Courses:

1. M.Tech. in Material Science and Technology
2. Ph.D. in Chemical Science, Physical Science and Mathematical Science

HoD: Dr. PranjalSaikia

Contact:

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2. Bioengineering and Technology : The Department of Bioengineering and Technology, Gauhati University was established in the year 2009 with the aim to promote academic and research programmes in Biotechnology and Bioengineering through up-to-date curricula for developing trained manpower in its various branches. The department has both undergraduate (B.Tech.) and postgraduate (M.Tech, and M.Sc.) and Ph. D. programs. Admission of students is through entrance test. The Department of Bioengineering and Technology is offering extensive infrastructure and research facilities to the student community. All the faculty members of this department are actively involved in their routine academic as well as research works.



Courses:

1. B. Tech in Biotechnology
2. M. Tech in Biotechnology
3. M.Sc. in Cancer Biology (with B. Barooah Cancer Institute, Guwahati)
4. Ph. D. in Biotechnology



Facilities: The Department is equipped with state-of-the-art laboratories consisting of Animal tissue culture facility, Plant tissue culture facility, Molecular diagnostic facility, Molecular biology facility, Microbiology laboratory, computational biology facility, food technology laboratory, etc. A number of extramurally funded research projects are going on in the Department in collaboration with various national and international institutes.

HoD: Dr. Debabrat Baishya

Contact:

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3. 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 BTech 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). The department has introduced relevant courses like Cognitive Radio and Software Defined Radio as part of MTech curriculum and has made provisions to run experiments and guide students to adopt such technologies for advance 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. 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, Hifrek Pvt Ltd, Zaloni, Subex, Abaqus, Capegemini, Alliance Communication, Reliance Communication etc. The students of the department also have demonstrated excellence in sports and other outdoor activities.



Courses:

1. B.Tech. in Electronics and Communication Engineering.
2. M.Tech. Signal Processing and Communication (SPC).
3. PhD in Electronics and Communication Engineering.

Facilities:

Electronics and Project Lab: It has provisions for about 50 students. It is mainly intended to run lab courses of first three years of the B.Tech. programme. It has regulated DC power supplies, CROs, DSOs, Function generators etc. suitable upto 10 MHz and a few DSOs up-to 20 MHz. The Project Lab has provisions for advance design and project works supporting upto 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.



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-21XX, 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 image and 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: Prof. Kandarpa Kumar Sarma

Contact:

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4. 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. Computer Science, Computer Engineering and Information Technology have been widely accepted disciplines among the students fraternity across the globe. The growing demands of trained and skilled personals in those fields have been motivating and inspiring the students to undertake different programmes of studies. Looking at the need of aspiring students of the region, different programmes have been started meeting the demands 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.

The recent achievement of the department is that RUSA, Assam collaborated with Department of Information Technology, Gauhati University for the design and development of two Unicode fonts namely USHA, JONAKI

along with two soft-keyboards namely AS-Script and Assamese phonetic keyboard. 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.



Courses:

1. B.Tech. in Computer Science & Engineering
2. B.Tech. in Information Technology
3. M.Tech. in Information Technology
4. PhD. in Information Technology

Facilities:

The department of Information Technology has well equipped laboratories with GNU/Linux system 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, Natural Language Processing Lab, Cryptography and Network Security Lab, Application Development Lab and High-Performance Computing 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 activity in the department includes Local Language Search Engine development, Language Technologies, Speech technologies, Wireless Network Machine Translation, IoT, Machine Learning etc.

HoD: Dr. VaskarDeka

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Placement/ Collaboration details of B.Tech. Passed out students

GUIST has collaborations with number of reputed national and international organizations like AIIMS, Delhi; NCL, Pune, Hamad Medical Corporation, Doha, Qatar; Brunel University, London; Blizzard Institute, London. University of West of Scotland, King Abdulaziz University etc.

The institute organizes an annual placement drive for the students of the final semesters. Our students are placed in various institutions and organizations for higher studies or services.

A few of the prominent recruiters include Cognizant, Wipro, TCS, Infosys, Hifrek Pvt Ltd, Zaloni, Subex, Abaqus, Capegemini, Alliance Communication, Reliance Communication, TERI- the Energy and Resources Institute, JIO, Perfios, Avantika Innovations, Girijanda Institute of Management and Technology, Vodafone, Erricsson, Govt. of India, Bank of India, Uco Bank, Libresoft, Huawei, IBM, L&T Infotech etc.


