



# GAUHATI UNIVERSITY INSTITUTE OF SCIENCE AND TECHNOLOGY

GOPINATH BARDOLOI NAGAR :: GUWAHATI-781014 :: ASSAM

website: [www.gauhati.ac.in](http://www.gauhati.ac.in)

## B.Tech., B. Tech.(Lateral) and M.Tech. Admissions 2018-19

All B.Tech. and M.Tech. Programmes are approved by AICTE, and updated extension of approval for 2018-19 has been granted vide letter no.: Eastern/ 1-3509320172/ 2018/ EOA ; Dated: 04-April-2018

### Message from the Vice Chancellor:

The ever-expanding frontiers of knowledge herald us to explore them with greater zeal as we venture to access them in fascinating new ways. Knowledge dissemination is the primary objective of a university, and our endeavor has always been to offer the best possible platform to learners, students and scholars here.

Our endeavor is to give best academic supports, state-of-the-art laboratory and research facilities, including audio-visual assisted classroom environment. Gauhati University, as the first and premier University of the entire North-East India region reiterates its accountability towards empowering the people by providing newer and time-demanding programmes of studies. The B.Tech and M.Tech. programmes in different disciplines have been creating the need of the local people, and I assure the students and guardians the provisions of best possible academics for their overall career.

I hope, the participation in the academic milieu of GUIST will be intellectually challenging and academically rewarding.

**Dr. Mridul Hazarika**  
Vice Chancellor  
Gauhati University

---

### Admission Process

Admission process for B.Tech., B.Tech. (Lateral), and M.Tech. courses offered at the Gauhati University Institute of Science and Technology for the session 2018-19 is in the process.

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

1. Maximum 20% seats will be filled up from JEE (Main) qualified students. The counselling for JEE (Main) qualified students will be held at the GUIST on May 29, 2018 Tuesday. Candidates with valid PRC of Assam only can attend the counselling.

2. Remaining seats will be from CEE (Assam) counseling as per schedule which will be notified by the Directorate of Technical Education, Govt. of Assam in the local Newspapers and local counselling at GUIST based on CEE marks, dates for which will be notified at the GU website. There is no need of submission of forms for B.Tech. admission before counselling.

The allotted students (as per sl. 1&2) may submit the admission form online at [www.gauhati.ac.in](http://www.gauhati.ac.in). The last date of submission of online form will be notified later on in the website and at the counselling venue. Instructions for fill-up the form will also be available in the website.

Applicants for B.Tech. (Lateral) admission will have to appear in an Entrance test to be held on July 10, 2018 Tuesday, for which applications will be available online from May 29, 2018 Tuesday at [www.gauhati.ac.in](http://www.gauhati.ac.in).

The M.Tech admission at GUIST will be in following two modes:

1. Maximum 50% seats will be allotted directly to GATE qualified candidates (in relevant branch). The list of eligible candidates for direct admission will be notified on June 21, 2018, Thursday in the concerned departmental page and GUIST page at [www.gauhati.ac.in](http://www.gauhati.ac.in)
2. Remaining seats will be from Entrance test to be conducted by Gauhati University. Candidates with valid GATE score and not getting direct admission (as per Sl. no 1.) may also apply to appear in the entrance test.

Candidates admitted in to the AICTE approved M.Tech. programmes through valid GATE score are eligible for PG stipend/ fellowship from the AICTE. Except M.Tech. in Materials Science and Technology all other B.Tech. and M.Tech. programmes in GUIST are approved by the AICTE.

**For direct admission into M.Tech. programme, online application form will be available from May 19, 2018 Saturday and the last date of online form submission is June 18, 2018, Monday. The list of selected candidates under GATE direct entry shall be released on June 21, 2018 Thursday. For the remaining seats entrance examination will be held as per Gauhati University rules to be notified at the website [www.gauhati.ac.in](http://www.gauhati.ac.in).**

Programme	Branch	Eligibility	Admission criteria
<b>B.Tech.</b> (4 yrs.)	<b>Biotechnology, Computer Science and Engineering, Electronics and Communication Engineering, Information Technology</b>	As per JEE (MAIN) -2018 and CEE (Assam) -2018 norms	As per JEE(Main) and CEE(Assam) marks/ rank
<b>B.Tech. (lateral entry to 2<sup>nd</sup> year) *</b>	<b>Biotechnology</b>	3 year polytechnic Diploma or equivalent/ B.Sc. in relevant branch	Admission Test will be conducted at GUIST on <u>July 10, 2018 Tuesday</u>
	<b>Computer Science and Engineering</b>	3-year Polytechnic Diploma or equivalent in the concerned branch/ B.Sc. in relevant branch	
	<b>Information Technology</b>	3-year Polytechnic Diploma or equivalent in the concerned branch / B.Sc in Electronics	
	<b>Electronics and Communication Engineering</b>		

<b>M.Tech.</b> (2 yrs)	<b>Biotechnology</b>	B.Tech./ M.Sc. (Biotechnology and or allied subjects)	Admission criteria, dates etc. are to be notified by Gauhati University in the website and GU Prospectus-2018
	<b>i. Signal Processing and Communication</b> <b>ii. Signal Processing and VLSI Design</b>	B.Tech./B.E. in Elect. &Comm. Engg./ Instrumentation /Electrical Engg.or M.Sc. (El.Sc./ECT/Instr.) or equivalent.	
	<b>Information Technology</b>	B.E./B.Tech. in CSE/IT/ECE/ MCA/M.Sc.–IT/ M.Sc.–CS/ M.Sc.–“Maths& Computing” or equivalent	
	<b>Materials Science and Technology **</b>	B.S.(4 yrs), M.Sc., B.Tech. in relevant branches	
<p><b>* Candidates with B.Sc. must have Mathematics at (10+2) level</b></p> <p><b>** M.Tech. in Materials Science and Technology is yet to be approved by AICTE</b></p>			

### Number of Seats

Branch	No of seats
B.Tech. in Electronics and Communication Engineering	<b>40</b>
B.Tech. in Computer Science & Engineering	<b>36</b>
B.Tech. in Information Technology	<b>36</b>
B.Tech. in Biotechnology	<b>24</b>
M.Tech. in Signal Processing and Communication	<b>18</b>
M.Tech. in Signal Processing and VLSI Design	<b>18</b>
M.Tech. in Information Technology	<b>18</b>
M.Tech in Biotechnology	<b>18</b>
M.Tech in Materials Science and Technology	<b>18</b>

**Application forms for admission:** Students who are allotted from the CEE (Assam) / JEE (Main) counselling (to be held at GUIST), have to fill-up and submit the online admission form to be available from the day of counselling. For appearing in B.Tech.-(Lateral) Entrance test online form will be available from May 29, 2018 and the last date of submission of form is June 29, 2018. Candidates applying for M.Tech. Direct admission through valid GATE score, will have to submit online form available at the GU website from May 19, 2018 Saturday. Admission forms will be available in the website [www.gauhati.ac.in](http://www.gauhati.ac.in). Candidates seeking admission in M.Tech. programmes (other than direct admission through valid GATE score) have to appear in the entrance test conducted by Gauhati University to be notified subsequently. They are advised to go through GU website [www.gauhati.ac.in](http://www.gauhati.ac.in) for further information.

**Application Fee:** An amount of ₹300/- (Three Hundred) only has be paid as application fee for each programme through SBI collect.

**Fee for entrance:** ₹200/- (Two hundred) only has to be paid as entrance fee (for B.Tech., B.Tech.(Lateral) and M.Tech. programmes) through SBI collect.

**Date of Entrance Test:** For B.Tech.(Lateral): **July 10, 2018 Tuesday**

For M.Tech. programmes (other than direct admission through valid GATE score): To be notified by Gauhati University at [www.gauhati.ac.in](http://www.gauhati.ac.in)

**Reservation of Seats:** Reservation shall be as per G.U. Rules. The candidates seeking admission under reserved categories viz. SC, ST, OBC/MOBC shall be given relaxation up to 5% (Five percent) of the marks

prescribed for eligibility criteria. The relaxation will not be applicable to candidates seeking admission on any other reserved categories.

**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 4 seats in B.Tech. (1 seat in each branch)

**Other Reserved Seats:**

7 seats in B.Tech., 1 seat for each of the states of North East other than Assam. Please contact 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

15 seats in B.Tech. programmes are reserved for International Students: CSE- 4 seats, IT- 4 seats, ECE- 4 seats and Biotech- 3 seats. Details of this category will be available at GU website.

\* Additional prescribed forms for these categories (GU Employee, EC, and Fringe Village) are available in the Gauhati University Press (GUP), GU and need to be submitted in the GUIST office along with the form to be collected from the GUIST office. The rules and regulation for reservation under these categories will be as per existing GU rule.

**Submission of filled-in forms and Admission:**

B.Tech.	Allotted candidates from the JEE counseling (to be conducted by GUIST) of JEE main qualified students	Deposit Counseling Fee of Rs. 1000/- and then proceed for admission	From May 29, 2018 Tuesday	JEE counselling desk at GUIST and GUIST office
	Allotted students from CEE counseling	Admission: on allotment from CEE counseling, deposit Counseling Fee of Rs. 1000/- and then proceed for admission	To be notified after notification of CEE counseling at GU website	CEE Counseling Desk and GUIST Office
B.Tech. Lateral Entry		Online Application for appearing Entrance Test	May 29, 2018 to June 29, 2018	www.gauhati.ac.in All further updates will be notified in the website only

M.Tech.(GATE qualified Candidates)	All eligible Applicants	Online Application	May 19, 2018 to June 18, 2018	<a href="http://www.gauhati.ac.in">www.gauhati.ac.in</a>
M.Tech.		Online Application for appearing Entrance Test	Will be notified	<a href="http://www.gauhati.ac.in">www.gauhati.ac.in</a> All further updates will be notified in the website only
Applications for other reserved categories (GU employee, Fringe Village, Extra and Co-curricular, Differently Able) are to be submitted in the office of the GUIST within July 20, 2018 Friday				

### **Documents to be submitted at the admission:**

- Self-attested copies of the following:
  - Admit card of CEE (for B.Tech. only)
  - Permanent Residence Certificate (PRC) (for B.Tech.)
  - HSLC pass certificate/Admit Card as proof of age
  - Higher Secondary pass certificate
  - Mark sheet of HSLC examination
  - Mark sheet of Higher Secondary examination
  - Caste certificate for SC/ST/OBC candidates from appropriate authority
  - Mark sheet and certificate of diploma exam for B.Tech. Lateral Entry
  - Mark sheet and certificate of the respective qualifying exam for M.Tech.
  - Appropriate documents for applying to the other reserved categories
  - Gap certificate wherever applicable
  - Valid GATE score card (For M.Tech. direct admission only)

**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.

**Hostel Facilities:** Few hostel seats may be available in the University hostels depending on the availability. Rented rooms and houses are nowadays available in the surrounding areas of the University, where any University students can stay.

### **Schedule of Fees**

#### **B.Tech.:**

Sl.	Fee Head	B.Tech.		M.Tech.	
		Odd Sem.	Even Sem.	Odd Sem.	Even Sem.
01	Admission Fee (Annual)	4000.00	--	4000.00	--
02	I Card Fee (Annual)	100.00	-	100.00	--
03	Library Card Fee (Annual)	100.00	-	100.00	
04	Library Fee (Annual)	700.00		700.00	
05	Student Welfare Fee (Annual)	500.00		500.00	
06	Course Fee (Semester)	15000.00	15000.00	10000.00	10000.00
07	Laboratory Fee (Semester)	1500.00	1500.00	1500.00	1500.00
08	Exam Fee (Semester)	1200.00	1200.00	1200.00	1200.00
09	Utility Fee(Annual)	500.00		500.00	
	<b>Total:</b>	<b>23600.00</b>	<b>17700.00</b>	<b>18600.00</b>	<b>12700.00</b>

## General Information and Rules

1. No student shall be admitted to any course of studies as aforesaid 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 University rules shall be liable to expulsion.
4. If a student's involvement in any incident of ragging comes to the notice of the authority, such a student would be given liberty to explain, and if his/her explanation is not found satisfactory, that student will be expelled from Gauhati University.
5. A student who is found to have indulged in consumption of drugs or intoxicating drinks, gambling and other immoral 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 at 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 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.
9. Fees are to be paid for admission by the candidates, if selected on the date as notified; other-wise seats will be cancelled and filled up by candidates next in the list.
10. The admission will be granted in accordance with the provision made in the Ordinance and Regulations and other rules of the University.
11. The students shall have to comply with the Regulations for the course, Rules and Orders as may be prescribed by the University authority from time to time.
12. The decision of Executive Council on all matters relating to students' indiscipline shall be final and binding.

<b>IMPORTANT DATES</b>	
Activation of online form for B.Tech. Lateral entry	May 29, 2018 Tuesday
Last date of submission of online forms for B.Tech. Lateral entry	June 29, 2018 Friday
For M.Tech. direct admission online form submission starts	May 19, 2018 Saturday
For M.Tech. direct admission Last date of online form submission	June 18, 2018 Monday
Date of declaration of provisionally selected candidates for M.Tech. direct admission	June 21, 2018 Thursday
Date of Counselling and Admission for GATE qualified candidates	To be notified at <a href="http://www.gauhati.ac.in">www.gauhati.ac.in</a>
Date of Counselling and Admission for GATE qualified candidates for waiting lists	
Date of Entrance examination for B.Tech. Lateral	July 10, 2018 Tuesday
Date of Entrance examination for M.Tech.	To be notified at <a href="http://www.gauhati.ac.in">www.gauhati.ac.in</a>
Date of declaration of result M.Tech.	
Date of Counselling and Admission for M.Tech.	

Date of declaration of result B.Tech. Lateral	July 25, 2018
Date of Counselling and Admission for B.Tech. Lateral	July 27, 2018 Friday
Counselling for JEE(Main) qualified candidates	May 29, 2018 Tuesday at 2 p.m.
Admission for JEE(Main) qualified candidates	May 29, 2018 to June 1, 2018
Counselling and Admission for CEE(Assam) qualified candidates	To be notified in GU website www.gauhati.ac.in

**Contact:**

**Director: Prof. Manab Deka**  
**Gauhati University Institute of Science and Technology**  
**(GUIST New Building)**  
**Guwahati 781014, Assam, India**  
**Contact no. : +913612672211**  
**www.gauhati.ac.in**

**Departments**

**1. Department of 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 dealing with the core compulsory and common courses of the B.Tech. Students, as well as the courses of the ongoing MS and M.Tech programmes in different disciplines. 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. Many of them have also cleared competitive examinations, such as, GATE, JEST, JAM, CAT etc. The departmental faculties are also actively involved in research works, both theoretical and experimental, in Astronomy & Astrophysics, Nonlinear Dynamics, Condensed Matter Physics, Material Science, Nanoscience and Nanotechnology, frontier research areas of Chemical Science, Mathematical Science, and Biomedical Sciences.

Courses:

1. M.Tech. in Materials Science and Technology
2. Ph.D.





## Placement/ Collaboration details:



**HOD: Dr. EeshankurSaikia**

**Email: eeshankur@rediffmail.com**

**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 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 (AICTE approved)
2. M. Tech in Biotechnology(AICTE approved)
3. M.Sc. Ph.D. integrated Course in Food Science
4. Ph. D. in Biotechnology

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







**Placement/ Collaboration Details:**



**HOD: Dr. Kandarpa Kr. Saikia**

**Email: [kksaikia@gauhati.ac.in](mailto:kksaikia@gauhati.ac.in)**

**3. Electronics and Communication Engineering:** The Department of Electronics and Communication Engineering was constituted during the session 2009-10. The primary strength of the department is in the areas of Soft-computing, Digital Signal Processing, Communication, Computer Vision, Bio- medical Signal Processing and VLSI Design. The Department presently has ergonomically designed laboratories and related facilities to fulfill the requirements of B.Tech.,M.Tech.programmes. The department has multiple labs 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 design using MATLAB, LabVIEW, REMCOM wireless suite, Mathematica, Multisim, PSPICE etc. software's of which complete support and related services are available. The department also has a DSP Processor lab constituted by TMS and ADSP21 XX series processors. 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. 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).

Courses:

1. B.Tech. in Electronics and Communication Engineering. (AICTE approved)
2. M.Tech. Signal Processing and Communication (SPC). (AICTE approved)
3. M.Tech. Signal Processing and VLSI Design (SPV). (AICTE approved)
4. 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.



**Placement/ Collaboration Details:**



**HOD :Prof. Kandarpa Kumar Sarma**  
**Email: kandarpaks@gauhati.ac.in**



**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.

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 officers in-campus secured wifi 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, Smart Environment, Wireless Network and Machine Translation.



**Placement/ Collaboration details:**



**L&T Infotech**

**LIBRESOFT**



**HODi/c: Vaskar Deka**

**Email: [vaskardeka@gauhati.ac.in](mailto:vaskardeka@gauhati.ac.in)**

\*\*\*\*\*