भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY GUWAHATI
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PhD ADMISSION 2025

Applications are invited for admission to the Doctor of Philosophy (PhD) programme beginning in January 2025. The disciplines in which these programmes will be offered are: **Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Humanities and Social Science (HSS) and Science and Mathematics (S&M).** The following are areas of research for which admissions are currently sought:

A. **Department of Computer Science & Engineering (CSE)**

Sl.no.	Broad Area	Faculty	Vacant Positions	Assistantship (for full-time students)
1.	Optimization in EVs, UAVs	Dr. Nilotpal Chakraborty	Part Time	No Assistantship
2.	Serverless and Cloud Computing	Dr. Shubha Brata Nath	Full Time	Own fellowship (CSIR/UGC/DST INSPIRE) or Self-financed
3.	Memory Security, Intermittent computing	Dr. Arijit Nath	Part Time	No Assistantship
4.	Information Retrieval and Natural Language Processing (NLP), Large Language Models (LLM)	Dr. Krishnandu Hazra	Part Time	No Assistantship
5.	Information Security	Dr. Subhasish Dhal	Full Time & Part Time	Own fellowship (CSIR/UGC/DST INSPIRE) or Self-financed. For Part-time (No Assistantship)
6.	IoT Product integration	Prof. Ferdous Barbhuiya & Dr. Rakesh Matam	Full time	Project
7.	Cloud Security	Prof. Ferdous Barbhuiya	Part-time	No Assistantship

B. Department of Electronics & Communication Engineering (ECE)

Sl. no.	Broad Area	Faculty	Vacant Positions	Assistantship (for full-time students)
1.	Antenna Design	Dr. Bidisha Dasgupta	01, Full Time	Institute Fellowship
2.	Wireless Communication (5G and 6G Communication)	Dr. Komal Janghel	01, Full Time	Institute Fellowship
3.	Signal and image processing, computer vision, machine learning,	Dr. Rusha Patra	01, Full Time & 01, Part Time	Own fellowship (CSIR/UGC/NBHM/DST INSPIRE) or Self-financed. For Part-time (No Assistantship)
4.	Robotics	Dr. Surajit Panja	01, Full Time & 01, Part Time	Own fellowship (CSIR/UGC/NBHM/DST INSPIRE) or Self-financed. For Part-time (No Assistantship)
5.	AI/ML for QoS performance enhancement in wireless communications	Dr. Valmik Tilwari	01, Part-time	No Assistantship
6	Digital VLSI Architectures	Dr. Babita Jajodia	01, Full Time	Own fellowship (CSIR/UGC/NBHM/DST INSPIRE) or Self-financed

C. Department of Humanities and Social Science (HSS)

Sl.no.	Broad Area	Faculty	Vacant Positions	Assistantship (for full-time students)
1	Experimental, health, developmental economics	Dr.Hari K. Choudhury	01. Full time	JRF/Net Preferred
2	Entrepreneurship; Agricultural Economics;Micro Small and MediumEnterprises (MSMEs); Energy Economics	Dr. Ankita Sarmah	01. Full time	JRF/Net Preferred/ / Self-financed
3	Sociolinguistics	Dr. Suranjana Barua	02 Full time	JRF/Net Preferred/ / Self-financed

D. **Department of Science and Mathematics (S&M).**

Sl.no.	Broad Area	Faculty	Vacant Positions	Assistantship (for full-time students)
1.	Reliability theory, applied statistics	Dr. Farha Sultana	01, Full time	Own fellowship (NET, INSPIRE, any other full time fellowship)
2	Numerical analysis	Dr. Anuradha Jha	01, Full time	Institute fellowship

A rolling advertisement (https://www.iiitg.ac.in/Rolling_PhD_advertisement.php**) is already on the website for all Departments. Eligible applicants from the rolling advertisement shall also be considered.**

THE SCHEDULE AND THE PROGRAMME

i.   Shortlisting for the interview will be held based on applications received.
     The last date of receiving application is 20.01.2025 (Monday).
ii. **Date of Written Test/Interview for selection will be on 29-01, 2025 (Wednesday).**
iii. Shortlisting will be done based on the availability of seats and academic performance of the candidates. A candidate merely fulfilling the eligibility criteria may not be shortlisted.
iv. There will be no support for travel for the interview.
v.   There is no application fee.
vi. Course Requirements, if any, will be prescribed by individual Departments. But students will be encouraged to take courses. The Doctoral Committee of a student will evaluate the preparedness of a student and prescribe one or more courses that will have to be taken.
vii. There will be a written/oral or both comprehensive examination after admission to determine if the student is ready to take up research work and to determine if the student has sufficient breadth of knowledge in the discipline he / she has been admitted to.

CATEGORIES OF STUDENTS

i) Regular/Full Time: A student in this category works full-time for his/her PhD degree. He / she may get a fellowship / assistantship or may be self-financed.

ii) Sponsored (full-time): A student in this category is sponsored by a recognized R&D organization, academic institution, government organization or industry for doing research in the Institute on a full-time basis. He / She must be a regular employee of the sponsoring organization with at least **one year** of professional experience in the respective field. The Institute does not provide any assistantship/fellowship to such a student. Sponsorship letter must be attached with the application.

iii) Part-time: A student in this category is a professionally employed person, who pursues the PhD Programme while continuing the duties of his/her service. He / She must be a regular employee of the sponsoring organization with at least **one year** of professional experience in the respective field. A No Objection Certificate from the Head of the Institution/Organisation in which He / She is employed must be enclosed at the time of application.

ELIGIBILITY

For admission to the PhD Programme in various disciplines a candidate must satisfy the following criteria:

Computer Science & Engineering (CSE)

i)   Master's degree in Engineering/Technology in the relevant area with a minimum Cumulative Performance Index (CPI) of 6.5 or 60% of marks.

<center>OR</center>

ii)   MSc (CS)/MSc (IT)/MCA/Equivalent Non-Tech Master's Degrees in the relevant area with a minimum Cumulative Performance Index (CPI) of 6.5 or 60% of marks having a GATE/NET/SLET score in CS/IT

<center>OR</center>

iii)   Four-year Bachelor's degree in Engineering/Technology/Medical Sciences or equivalent in a relevant area with a minimum CPI of 7.0 or 65% of marks.

Electronics & Communication Engineering (ECE)

i)   Master's degree in Engineering/Technology in the relevant area with a minimum Cumulative Performance Index (CPI) of 6.5 or 60% of marks.

<center>OR</center>

ii)   MSc (Electronics) and equivalents with GATE/NET/SLET scores in the relevant area with a minimum Cumulative Performance Index (CPI) of 6.5 or 60% of marks.

<center>OR</center>

iii)   Four-year Bachelor's degree in Engineering/Technology/Medical Sciences or equivalent in a relevant area with a minimum CPI of 7.0 or 65% of marks

Humanities and Social Science (HSS)

i)   Master's degree in Economics/Linguistics/other relevant areas with a minimum of 55% marks or equivalent.

ii)   Candidates with NET-JRF will be given preference.

Science and Mathematics (S&M).

i)   MA/ MSc/ MTech in Mathematics/Statistics with at least 60% marks or a CPI of 6.5

RESERVATIONS (SC, ST, OBC (Non-creamy layer) and PD categories)**:**

Eligibility criteria will be relaxed by 5% marks or 0.5 CPI for SC/ST/PD applicants. Reservation is as per GOI rules. OBC (Non-creamy layer) candidates will have to enclose certificate and self-declaration statement as per format at Annexure-I & Annexure - II. The OBC (NCL) Certificate, issued by competent authority, on or after 01-04-2024, shall only be acceptable.

Fees

Sl. No.	Items	Periodicity	Amounts (₹)
1.	Tuition Fee	Per Semester	5,000
2.	Institute Caution Money	One Time (Refundable)	5,000
		Total	**10,000**

*A candidate needs to pay the hostel and mess fees only when a student joins a hostel. Hostel rent will be charged on a pro-rata basis (semester of 6 months with a charge of ₹13,750/- for the whole semester) based on when the student joins a hostel with advance mess fee ₹24000/- for 6 months.

SUBMISSION

Interested candidates are requested to apply by filling up the Google Forms in the links given below accordingly

1. **CSE**: https://docs.google.com/forms/d/e/1FAIpQLSesb-ebjjvOFQS2b5p-oS5JiUH3GU7xOmxd3ojJxKwxw2-89A/viewform?usp=dialog

2. **ECE**: https://docs.google.com/forms/d/e/1FAIpQLScH3et02yG9_mwKkk5ZnGbF3WS0nPBR7dU5fzwUYZjgUYGCYQ/viewform?usp=dialog

3. **HSS**: https://docs.google.com/forms/d/e/1FAIpQLSdPyvwvZaeTYPMk5vbdiGtkuyIkcVtoRq8ba9SXHjfVg7JBlQ/viewform?usp=dialog

4. **S&M**: https://docs.google.com/forms/d/e/1FAIpQLSez64I1CYZpt77lukEFZ2EFD1NyvlIuIMmvB-qQNYuLHuiXaA/viewform?usp=dialog

Please upload the APPLICATION FORM along with the self-attested copies of all degrees; mark sheets and GATE / NET score card copy (if any) must be uploaded.

Download application form

For any clarification/doubt, feel free to contact hodcse@iiitg.ac.in (for CSE), hodece@iiitg.ac.in (for ECE), hodhss@iiitg.ac.in (for HSS), and hodsm@iiitg.ac.in (for S&M). For general queries, contact acadphd@iiitg.ac.in or adpg@iiitg.ac.in.