

Department of Computer Science & Engineering, IIT Guwahati.

Ph.D Admission- December 2018

Candidates will be shortlisted for the written test based on their academic performance in B.Tech (or equivalent) and M.Tech degrees. The test is scheduled on **04.12.2018** at CSE department, IITG and candidates must report at 9am for registration. They must carry a photo ID card, copy of the application form and demand draft (details of the DD will be announced later) when they appear for the test. Other documents are not needed at the time of test.

The test consists of 2 parts. **Part A** – (9.30 am to 10.30 am). This part covers (a) general aptitude, (b) discrete mathematics (c) programming & data structures. There will be a total of 50% weightage for Part A. **Part B** – (10.45 am to 11.45 am). There will be five sections in Part B: (a) algorithms, (b) formal languages & automata theory, (c) computer organization & architecture, (d) operating systems, (e) computer networks. Candidates have to choose any two sections and attempt questions only from those selected sections. There will be 25% weightage for each section.

Results of the written test will be announced at 3pm on 04.12.2018. For qualified candidates there will be an interaction session at 3.30 pm. The faculty and research scholars will brief about the ongoing research works in the department. At the end of this interaction section, each candidate must give the list of panels (at most two) in which they would like to appear for the interview. Interview panels will be stream wise as follows.

Panel Name	Research Area
Theoretical Computer Science	Algorithms, Complexity Theory, Combinatorics, Combinatorial Geometry, Analysis of Social Networks, Computational Geometry, Computational Algebra
Network Systems	Wireless Networks, Cloud Computing, Software Defined Networking
Hardware	Formal Modelling, Synthesis, Verification and Testing of Hardware Systems. Advanced Computer Architecture, Parallel Programming, Embedded Systems
Machine Learning & Data Mining	Machine Learning, Data Mining, Information Retrieval, Evolving Intelligent Systems, Computer Vision, Human Computer Interaction, Speech and Image Processing, Artificial Intelligence, Interfaces and Robotics, Cyber-physical Systems.

Interviews are scheduled on **05.12.2018** from 9 am onwards in four parallel tracks.

Important Timelines

Publishing of shortlist for written test	November 14, 2018 (tentatively)
Written test- Reporting time	December 04, 2018 (9 am)
Publishing of results of written test	December 04, 2018 (3 pm)
Interaction with shortlisted candidates	December 04, 2018 (3:30 pm)
Candidates' options of interview panels	December 04, 2018 (6 pm)
Document Verification	December 05, 2018 (9 am onwards)
Interviews	December 05, 2018 (9:30 am onwards)

For any queries contact, cseadmissions@iitg.ac.in