

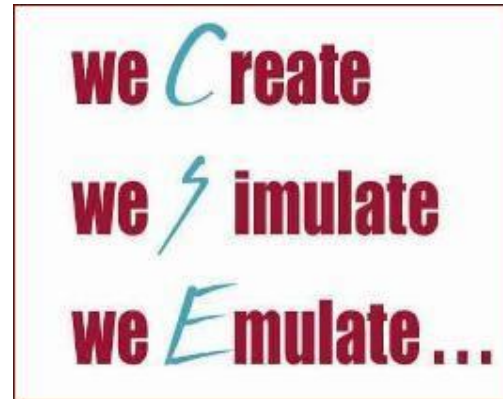


ECE Building

Samsung Innovation Laboratory

IAC Laboratory

IAC Seminar Room



Call for Ph.D.
in
**Department of Computer Science
and Engineering (CSE)**
<http://www.buet.ac.bd/cse/>
and Technology (BUET)
Dhaka-1000, Bangladesh

2013

Department of CSE, BUET is the first department of its kind in Bangladesh. Established in 1984, from the very beginning of its establishment, it has been attracting the topmost students in Bangladesh for pursuing B.Sc., M.Sc., and Ph.D. degrees. Graduates from this department are exhibiting significant contributions both in academia and industry all over the world.

The department calls for prospective students for pursuing their Ph.D. Recently, it has started providing significant research resources. The department has a good number of well-equipped laboratories aimed for studies and researches in different areas. In addition, the department has twenty faculty members having their Ph.D. degrees from different reputed universities around the globe (http://www.buet.ac.bd/cse/faculty/active_fac_list.php). All these faculty members are actively performing research in different areas.

RESEARCH AREAS

The department of CSE, BUET offers opportunities for performing research in diversified areas. A short list of the areas is as follows:

- Algorithms and Theory
- Architecture, Compilers and Parallel Computing
- Artificial Intelligence and Machine Learning
- Bioinformatics and Computational Biology
- Database, Data mining and Information Systems
- Graphics, Visualization and Human Computer Interaction

- Hardware and Electronics
- Mobile and Ubiquitous Computing
- Software Engineering
- Systems and Networking
- Security and Privacy
- VLSI

For details on the research areas, please visit:
<http://www.buet.ac.bd/cse/research/researcharea.php>

RESEARCH LABORATORIES

For performing research in the different fields, the department of CSE, BUET provides a number of laboratories. A short list of the laboratories is as follows:

AI & Robotics Laboratory; Communication Engineering Laboratory; Database and Data Warehouse Laboratory; Grid Computing Laboratory; Information Visualization Laboratory; Networking Laboratory; Samsung Innovation Laboratory; Software Engineering Laboratory; VLSI Design & Automation Laboratory; Wireless Networking Laboratory; IAC Laboratory.

For details on the laboratories, please visit:
<http://www.buet.ac.bd/cse/geninfo/facilities.php>

ADMISSION REQUIREMENTS

For admission to the courses leading to a Ph.D. degree a candidate must have -

- A minimum GPA of 3.50 out of 5.00 or a first division or equivalent in any one of S.S.C. and H.S.C. or in equivalent examinations and must not have a GPA less than 2.00 out of 5.00 or a third division or equivalent in any of the aforementioned examinations.

- At least 50% marks or a minimum GPA of 2.50 out of 4.0 or its equivalent in B. Sc. Engg./ four-year B. Sc. degree/ M. Sc. degree.
- A minimum GPA of 2.75 out of 4.0 or its equivalent in M. Sc. Engg./ M. Engg..
- A minimum qualification of having an M.Sc. Engg./ M.Engg. degree in Computer Science and Engineering or its equivalent from any recognized Institution.

M.SC. LEADING TO PH.D.

A student already working for an M.Sc. Engg degree in this department, and showing excellent progress and promise in thesis work may be provisionally transferred to the Ph.D. degree programme after completion of M.Sc. Engg. course work with a minimum GPA of 3.0 out of 4.0 on approval of the Committee for Advanced Studies and Research (CASR) on the recommendation of the relevant Board of Post Graduate Studies (BPGS)/ Research and Academic Committee (RAC).

ADMISSION PROCEDURE

- A candidate may apply to the Registrar for provisional admission to the Ph.D. programme in any semester.
- There shall be a Selection Committee in the department as constituted by the relevant BPGS/ RAC on recommendation of the Head of the department.
- A candidate selected by the Selection Committee shall be provisionally admitted and may be required to pass the prerequisite non-credit courses as prescribed by the Selection Committee.

TYPES OF ENROLLMENT

- There shall be two categories of students: full-time students and part-time students.
- A student may enroll as a part-time student. Students, serving in different organizations, may also be admitted as part-time students with the written consent of the employer. A part-time student may be assigned a maximum of 9 credit hours of course including thesis work in any semester.
- Full-time students must register for a minimum of 12 credit hours and a maximum of 15 credit hours per semester. A full-time student shall not be allowed to be in the employment of any organization (even as a part-time employee). However, they may be employed as Teaching/ Research Assistant at the University.
- A student may be allowed to switch from part-time to full-time or vice versa on the recommendation of the respective Doctoral Committee.

QUALIFYING FOR THE DEGREE

- The minimum duration of the Ph.D. course shall be four semesters from the date of provisional admission, for which a candidate may apply in any semester. A student must complete all requirements for the Ph.D. degree within six academic years from the date of his provisional admission.
- Academic progress shall be measured in terms of credit hours earned by a student. One credit hour subject shall normally require 14 hours of lecture for one semester while one Credit hour for thesis work

should normally require 42 hours of research work for one semester.

- A student must complete a minimum of 54 credit hours of which 45 credit hours shall be assigned for a thesis.
- To qualify for the degree a student must earn a minimum grade point average (GPA) of 2.75 based on the weighted average of grade points (GP) in his/ her course work.
- A student obtaining F grade in a course may be allowed to repeat the course with the prior approval of Head of the department on the recommendation of Supervisor. A student shall not be allowed to continue the programme if he/ she obtains a total of three or more F grades in one or more than one subjects taken together, during his/ her studies.
- Comprehensive examination shall be held after the completion of the course work by the student. The comprehensive examination shall comprise of a written examination and/ or an oral examination to test the knowledge of the student in his/ her field of study and research. If a student fails in a comprehensive examination he/ she shall be given one more chance to appear at the examination as scheduled by the Doctoral Committee.
- In addition to successful completion of course works and comprehensive examination every student shall submit a thesis on his/ her research work fulfilling the requirements.

For detail rules and regulations, please refer to the BUET Ordinance for Ph.D. (http://www.buet.ac.bd/?page_id=189).

FACILITIES FOR PH.D. STUDENTS

BUET provides good residential facility for graduate students. Rooms are allotted at Shahid Smrity Hall and Chhatri Hall for male and female students respectively. BUET also offers transportation facilities by providing buses running through five different routes thrice a day in Dhaka city.

In addition, BUET has a central library containing a number of recent and widely-followed books, articles, and journals (http://www.buet.ac.bd/?page_id=9).

FUNDING OPPORTUNITIES

Tuition fees at BUET and living expenses at Bangladesh are extremely low compared to that in different parts of the world. Even then, there are different funding opportunities available for pursuing Ph.D. in the department of CSE, BUET.

For example, Bangladesh government offers fellowships (e.g., UGC Fellowship and Bangabandhu Fellowship) on science and ICT every year for Ph.D. students. For details on such fellowships, please visit the following links: <http://www.ugc.gov.bd/fellowships/> and www.mosict.gov.bd. In addition to these fellowships, BUET also offers Fellowships and Teaching/ Research Assistantship to suitable full-time students.

For any query about the programme, please contact Dr. A. B. M. Alim Al Islam (web: <http://buet.ac.bd/cse/faculty/facdetail.php?id=rizi>, email: alim_razi@cse.buet.ac.bd, phone: +880 1817533953)