

SHIV NADAR

INSTITUTION OF EMINENCE DEEMED TO BE
UNIVERSITY
DELHI NCR

School of Engineering Department of Computer Science & Engineering Ph.D. Program (Spring 2023)

1. Objectives

The Ph.D. program is designed to prepare students for highly rewarding careers in academia and research labs. The demand for quality Ph.Ds. is increasing at a rapid rate in the country, thereby creating an ever-widening gap between the demand and supply. Depending upon the academic preparation, admitted candidates are exposed to a wide range of core and elective courses with in-depth syllabi. In addition to this, students write a research proposal and start pursuing research that eventually culminates in a Ph.D. thesis. Such an excellent combination of academic excellence in subject matters and top-notch research, equips SNU Ph.Ds. in CSE with strong knowledge and research skills necessary for pursuing highly productive careers.

Please visit <https://cse.snu.edu.in/people/faculty> to know more about the faculty members and their specific research interests.

2. Areas of Specializations

The research interests of the current faculty members in Computer Science and Engineering department span the following areas:

- **Algorithms and Complexity**
- **Data Science and Engineering**
- **Artificial Intelligence and Machine Learning**
- **Security and Privacy**
- **Wireless, Mobile Computing and Networking**

The student is required to work in an area aligned with the current research interests of the faculty in the department. For multi-disciplinary research work, approval of the Departmental Research Committee is required.

3. Admissions to the Program:

i. Important Dates

Last date for the receipt of complete application form along with application fee	9 th December, 2022
Notification to shortlisted candidates	12 th December, 2022
Written Test and Interview	19 th and 20 th , 2022
Declaration of Results	22 nd December, 2022

ii. Minimum Eligibility Criteria

Educational Qualification

Ph.D. Computer Science and Engineering – (Full Time / Part Time*)

- ME / M.Tech. in CSE or equivalent in the relevant discipline from a recognized Technical Institute or University with 60% marks or 6.5 CGPA in qualifying degree.
- OR**
- BE / B.Tech. in CSE or equivalent OR MCA/M.Sc. (CS/ IT/ ECE/ Mathematics / Physics/ Statistics/ Operational Research) from a recognized Technical Institute or University with 65% marks or 7 CGPA in qualifying degree.

The candidate should be working in the area of Computer Science / Information Technology (Industry/Academic Institutions) for a minimum of 2 years and located within 80 Kms of Shiv Nadar IoE campus. Candidate is required to produce a **No Objection Certificate from the employer.*

Note: For Full Time candidates:

- A valid score in UGC NET/ GATE is preferred.
- Valid GATE/NET score should be in the following areas: Computer Science and Information Technology, Engineering Sciences, Mathematics, Statistics, Electronics and Communication Engineering and Electrical Engineering.
- Applicants waiting for the qualifying examination results are also eligible to apply.

For clarification, contact simple.sharma@snu.edu.in OR divya.lohani@snu.edu.in

iii. Selection Process

Eligibility criteria mentioned above is the minimum requirement. Written test and interview for shortlisted candidates will be held on the dates mentioned above. Final selections will be based on past academic performance, written examination and interview.

iv. Syllabus for Written Test

The Syllabus for the written test will be as follows:

- **Logical Ability Test**
- **Mathematical Sciences** – Linear Algebra, Probability and Statistics, Calculus, Discrete Mathematics, Elements of Optimization, Elements of Combinatorics, Elements of Number Theory
- **Computer Science** – Programming, Data Structures and Algorithms

4. Fees Structure, Fee Waivers and Assistantships

Detailed information about the fee structure and the nature of assistantships are available on the website. All full-time Ph.D. students admitted into the program shall receive a doctoral research and teaching assistantship. The assistantship is subject to satisfactory performance in the program evaluated continuously and compliance with all University regulations. **Shiv Nadar IoE does not provide fellowship/assistantship to part-time students.**

i. Application Fees

- Non-refundable* application fees of Rs. 1200 (One Thousand Two Hundred Only).
- Pay by credit/debit card on-line

* Note that the University reserves the right to accept or reject any application based on its departmental screening criteria, hence all applications may not be shortlisted for written examination and/or interview. No requests for refund of the application fee shall be entertained under any circumstances.

ii. Application Instructions

All interested applicant shall apply online from the link on the website. Please follow the instructions carefully:

- Fill all the mandatory fields
- Online upload of following document is required
 - ✓ Passport size color photograph
 - ✓ Current CV
 - ✓ All Mark sheets/Degree Certificates (10th Standard onwards)
 - ✓ Standardized Examination certificate- CSIR, UGC, GATE etc. (If applicable)
 - ✓ A Statement of Purpose
- After online submission, take print out of the submitted form for your record.

Please note that the application is deemed to be incomplete until we receive all the necessary prescribed documents and the application fee.

For any queries, please write to Ms. Simple Sharma (Email - simple.sharma@snu.edu.in)

APPLY NOW