

**Ph.D. Admissions Announcement: Spring-2023
 Department of Electrical Engineering**

The Department of Electrical Engineering at **Shiv Nadar Institution of Eminence (Deemed to be University), Delhi NCR** invites applications for admissions to its Ph.D. program. **A total of 6 full-time Ph.D. positions are available with the department for Spring 2023 intake.**

Research Areas:

- Design of Reliability-Aware Digital VLSI circuits at advanced CMOS technology.
- Semiconductor device modeling, compact transistor/interconnect modeling, Impact of novel transistor-and interconnect-architectures on circuit metrics, CAD algorithms for VLSI,
- Semiconductor Sensors /MEMS Technologies.
- Embedded Systems and the Internet of Things (IoT system architecture, IoT enabling technologies, IoT communication & networking protocols, and application of IoT for smart agriculture and smart buildings).
- Terahertz antennas, Photoconductive antennas, millimeter and sub-millimeter wave antennas, 5G and 6G antenna technologies and related RF components, Microwave and millimeter wave antenna, active and passive circuits, Radar based detection for medical purposes
- Artificial Intelligence, Electromagnetic modeling, Antennas, Metamaterials
- Wireless Communication, Information Theory, Machine Learning in Communication, Signal Processing, Communication, Millimeter-Wave Wireless Communication Systems, Deep learning.
- Power Electronics, Semiconductor Devices, GaN power Electronics.

Department is also engaged in interdisciplinary work with research groups spanning across schools at SNU.

For More Information, please visit following link to explore our department and research interests of faculty members. <https://ee.snu.edu.in/people/faculty>

Eligibility:

Level of Education of Applicant	Selection process
<p>Candidate should have ANYONE of the following:</p> <ul style="list-style-type: none"> • First Division in B. Tech. with minimum 75 % marks (or equivalent CGPA) and with a good valid GATE /CSIR/ UGC NET/DST INSPIRE Fellowship. This is required only for the candidates without M.Tech. Degree. • M.E. or M.Tech. or equivalent degree in relevant discipline from a recognized Technical Institute / University with minimum CGPA of 7 (out of 10) or equivalent marks. • M.S./M.Sc. with 70% (or equivalent CGPA) in relevant discipline (e.g., in Physics, Electronics, Computer Science, Material/ Nano- Science etc.) are also eligible under special circumstances. They must have exceptionally good academic credentials (throughout First Division in academic degrees, preferably with a good valid GATE/CSIR/UGC-NET score in relevant discipline, and strong aptitude for research). 	<p>Shortlisted candidates will be intimated well in advance to appear for written tests and interviews. The written tests and interviews will be conducted at the Shiv Nadar Institution of Eminence (Deemed to be University), Delhi NCR at Gautam Buddha Nagar District (near Greater Noida), U.P. (admission process may be held online due to travel restrictions enforced by government)</p> <p><i>Applicants waiting for the qualifying examination results are also eligible to apply.</i></p>

Selection Process: Eligibility criteria mentioned above are the minimum and applications not meeting the same will be summarily rejected. Short-listed candidates will be required to demonstrate their knowledge through written test and/or interview, to be held in **Dec, 2022**. Selections will be based on past academic record, written examination and/or interview performance. **Please note that candidates meeting the minimum eligibility criteria may still not be shortlisted for the admission process. The shortlisting will be done based on application material received (including the academic qualification, statement of purpose and reference letters). The shortlisted candidates will be entitled for re-imbursalment of 3AC train fare (to and fro) against actual ticket for appearing in the selection process. For outstation candidates, accommodation in SNU campus may be arranged on payment basis. Transport may also be arranged from few NCR metro stations.**

Written Test and /or Interview: Mathematical aptitude/reasoning and knowledge in core subjects of Electrical Engg. / Electronics & Communication Engg. (ECE) will be tested. (Refer latest GATE Syllabus of Electrical Engg. and ECE respectively).

Fee Details: Fee and financial assistance details are available on our website. Or click on following link:

<https://snu.edu.in/admissions/graduate-programs>

Application Instructions: All interested applicants should apply online by clicking on “Apply Now” button. Please follow the instructions carefully.

- Fill all the mandatory fields
- **Online upload** the following documents:
 - 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
- **Application Fees:** You will be required to pay a non-refundable application fees of ₹ 1,200 (One Thousand Two Hundred Only). **The application fee can be paid online during the application process.**
- **After online submission, print the completed form and send by speed post at the address given at the last page.**

Please note that the application is not deemed complete until we receive all the prescribed documents and application fees.

Application Deadline:

Events	Date
Last date for the receipt of completed online application form & application fee	Dec. 09, 2022
Call letter release to the shortlisted candidates (based on academic qualifications)	by Dec. 10, 2022
Online Written Test: Only for the candidates called for Admission Process	Dec. 12, 2022
Written Test Result Declaration	Dec. 13, 2022
In-person Interview of the shortlisted candidates only (based on written test cut-off)	Dec. 19, 2022
Final Result Declaration	by Dec. 30, 2022

Supporting documents may be sent by Speed Post to:

Ms. Priyanka Verma

Administrative Assistant (Room No. C-212H)

Department of Electrical Engineering

School of Engineering, Shiv Nadar Institution of Eminence (Deemed to be University), Delhi NCR,

P.O. Shiv Nadar University, NH-91, Tehsil Dadri

District Gautam Buddha Nagar, UP, 201314, India.

Telephone No.: 0120- 7170100, Ext. 428, **Mob.** 8077173721.

For further enquiry or information visit our website www.snu.edu.in

OR Contact Dr. Atul Vir Singh, Email: atul.singh@snu.edu.in (Co-ordinator, Ph.D. Program)

APPLY NOW