

SCHOOL OF ENGINEERING
Ph.D. Admissions Announcement: MONSOON-2021
Department of Electrical Engineering

The Department of Electrical Engineering at Shiv Nadar University invites applications for admission to its Ph.D. programs. **A total of 10 Ph.D. positions are available with the department for Monsoon 2021 session.**

Research Areas:

- Charge transport in Organic Semiconductors, Organic Field Effect Transistors (OFETs), Organic Solar Cells and Perovskite Solar Cells.
- Reliability analysis of CMOS Circuits, Modelling of advanced transistors (device as well as compact modelling), Study and optimization of emerging transistor architectures (junction-less transistors, NCFET, high mobility devices, etc), Modelling and Simulation of Transistors for sensor applications, MEMS Technologies: Device Design and Simulation for RF and bio-sensor applications.
- Graph Signal Processing, 5G wireless communication, Physical layer security for 5G, Machine learning applications to wireless communication design, Wireless mobile communication and networks: 4G LTE, LTE-A, LTE-A Pro, 5G, Beyond 5G, Data Communication and networks: WLAN 802.11ac, ax, ad, ay, Wi-Fi-6E, Multimedia data compression (speech, voice, image, video, Ultra HD Video), Internet of things using AI Techniques for cloud and Edge computing.
- MM wave components and sub systems, Sub-THz and THz antennas, 5G/6G Antennas, Microwave components for 5G/6G, Optoelectronics Antennas, Slow wave and fast wave structures, waveguides, metamaterials, Microwave devices.
- Semiconductor Devices & Circuits for LV & HV Applications, Electromagnetic Field Analysis of Electrical Machines, Power Electronic Converters and their applications, Photovoltaic Power System, Integration of Renewable Sources with the Grid, Distributed Generation.
- Machine Learning and it's Applications.

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
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<p>First Division in M.E. / M. Tech. or equivalent in relevant discipline from a recognized Technical Institute or University.</p> <p style="text-align: center;">OR</p> <p>M.S./M.Sc. students are also eligible under special circumstances. They must have exceptionally good academic credentials, preferably with a good valid GATE/CSIR/UGC-NET score, and strong aptitude for research.</p>	<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 University (SNU) campus in Gautam Buddha Nagar District (near Greater Noida), U.P. (If required admission process may be held online due to COVID-19)</p> <p><i>Applicants waiting for the qualifying examination results are also eligible to apply.</i></p>
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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 an **online/offline on-site** written test and/or interview, to be held in **June, 2021**. Selections will be based on past academic record, written examination and/or interview performance. **Please note that not all candidates meeting the minimum eligibility criteria may be shortlisted. 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-imbursment of 3AC train fare (to and fro) against actual ticket for appearing in the selection process. For outstation candidates, one day accommodation in SNU campus may be arranged at nominal cost. Transport may also be arranged from few locations (metro stations).**

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

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
- **Upload (Online)** 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 may be paid online or through Demand Draft (in favor of “Shiv Nadar University” payable at NOIDA) sent to the under mentioned address.**
- After online submission, print the completed form and send by speed post at the address given below. A reference letter in support of your application will also be required.

- Following is the checklist of the documents (You may add additional documents if required)
 - Completed form
 - Demand Draft for application fee/ online-fee payment

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

Application Deadline:

Last date for the receipt of completed application form & application fee	June 14, 2021
Issue of Call letter (through e-mail) to the shortlisted candidates	By June 23, 2021
Written Tests and/or Interview	June 26–30, 2021
Declaration of Results	by July 11, 2021

Supporting documents and **demand draft** (if applicable) may be sent by Speed Post to:

Ms. Priyanka Verma

Administrative Assistant (Room No. D328)
 Department of Electrical Engineering
 School of Engineering, Shiv Nadar University
 P.O. Shiv Nadar University, NH-91, Tehsil Dadri
 District Gautam Buddha Nagar, UP, 201314, India.

Telephone No.: 0120- 7170100, Ext. 428, **Mob.** 807717321.

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, PG Program)