

**SCHOOL OF ENGINEERING**  
**Ph.D. Admissions Announcement: MONSOON-2020**  
**Department of Electrical Engineering**

The Department of Electrical Engineering at Shiv Nadar University invites applications for admissions to its Ph.D. program.

**Research Areas:**

- Deep learning (Convolutional Neural Networks, Recurrent Neural Networks), Deep Reinforcement Learning.
- VLSI Circuit Reliability, Microelectronics, and Semiconductor Device Modelling, Device modelling and simulation, FPGA based Verilog design systems on VLSI, MEMS Devices and Technologies.
- Organic and Flexible Electronics: Simulation and Fabrication of Organic Solar Cells and Perovskite solar cells, Study of charge transport in Organic Semiconducting materials and devices.
- Wireless Mobile Communication and Networks, Internet of Things (IoT), Audio /Video Compression using Machine Learning, Wireless Communication, Massive MIMO fundamentals, mmWave Communication aspects and Signal Processing.
- Microwave devices, Terahertz Antennas, Terahertz Generation, Terahertz Devices, and Vehicular Antennas. Active and passive microwave components, Active and passive antenna and beam steering array. Electromagnetic research, Traveling Wave Tubes, Wave guides and Antennas.
- Power Electronics converters and their applications, HV Devices & Smart Power VLSI
- Photovoltaic (PV) power system, Distributed generation and power quality, Power system stability

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
First Division in M.E. / M. Tech. or equivalent in relevant discipline from a recognized Technical Institute or University. <p style="text-align: center;">OR</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.	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.  <i>Applicants waiting for the qualifying examination results are also eligible to apply.</i>

**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 on-site written test and/or interview, to be held in **July, 2020**. 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-imburement 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 latest GATE Syllabus).

**Fee and Assistantship:** Detailed information about the fee structure and the nature of assistantships are available on the website.

All full-time PhD students admitted into the program shall receive a **doctoral research and teaching assistantship consisting of 100% tuition-fee waiver and 70% hostel-fee waiver**. The student shall also receive a **monthly stipend of ₹50,000 for the first two years, and ₹55,000 for the next two years** subject to bench-marked performance. The assistantship is subject to satisfactory performance in the program evaluated continuously and compliance with all University regulations.

**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 (10<sup>th</sup> 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 a Demand Draft (in favor of “Shiv Nadar University” payable at NOIDA) may be 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 (If online-fee payment mode is not used)

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

**Application Deadline:**

<b>Last date for the receipt of completed application form &amp; application fee</b>	<b>June 15, 2020</b>
<b>Written Tests and/or Interview</b>	<b>July 2, 2020</b>
<b>Declaration of Results</b>	<b>by July 9, 2020</b>

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

**Priyanka Verma**

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For further enquiry or information visit our website [www.snu.edu.in](http://www.snu.edu.in)

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