

Department of  
Electrical Engineering

# Ph.D.

## Admissions Announcement Monsoon - 2023



# SHIV NADAR

INSTITUTION OF EMINENCE DEEMED TO BE  
UNIVERSITY  
DELHI NCR

### Monthly Stipend

The stipend amount is INR 40,000 for first two years and INR 45,000 for subsequent 3 years.

Full tuition fees waiver for admitted full-time Ph.D. candidates.

### Application Deadline

Last date for the receipt of completed online application form & application fee:

**July 19, 2023** (Wednesday)

Written Test (To be conducted in online mode): **July 25, 2023** (Tuesday)

Interview of the shortlisted candidates only (based on written test cut-off): **July 31, 2023** (Monday)

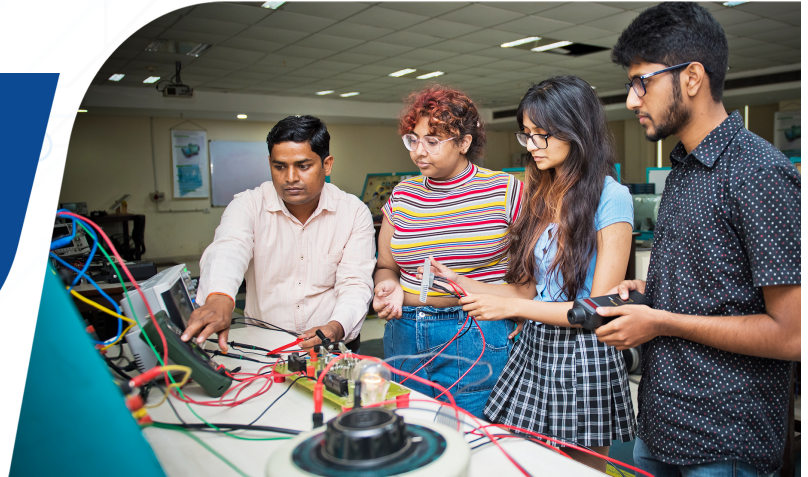
Final Result Declaration:  
**August 8, 2023** (Tuesday)

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**Department of  
Electrical Engineering**

**Ph.D. Admissions  
Announcement:  
Monsoon-2023**

The Department of Electrical Engineering (<https://ee.snu.edu.in/>) at Shiv Nadar IoE, Delhi NCR invites applications for admissions to its Full Time/ Part Time\* Ph.D. program.



**Research Areas**

- IoT system architecture, IoT enabling technologies, IoT communication & networking protocols. IoT for smart agriculture, smart health, and smart cities.
- SIW/ OAM/Active/ MIMO antenna, active and passive circuit, Sub-terahertz and terahertz antennas, photoconductive antennas, 5G antennas and devices, microwave devices, metamaterials based antenna and slow wave structures, Planar traveling wave tubes, radar based detection for medical purposes.
- Multi-antenna (MIMO) systems for next-generation wireless systems (5G/6G), 5G and beyond, wireless communication, optical wireless communications.
- Machine learning in computer vision and facial expression recognition, machine learning in wireless communication, brain signal processing applications.
- Reliability aware design of advanced computing architecture; modelling of advanced transistor architectures and on-chip interconnects, and their circuit implications, CAD algorithms for VLSI.
- Semiconductor/MEMS sensors and devices for various applications e.g. RF, biomedical, IoT etc.
- Organic and flexible electronics: organic solar cells, perovskite solar cells, and fundamental studies on charge transport in organic semiconducting materials and devices.
- Transport in semiconductor, TCAD, advanced semiconductor devices, VLSI for smart power applications.
- Electromagnetics, energy systems, photovoltaic power system, power electronics.

**Eligibility**

- M.E. or M.Tech. or equivalent in relevant discipline from a recognized technical institute or University with a minimum 60 % or 6.5 CGPA.
- B. Tech./M.Sc.\* in the relevant discipline with minimum 70% or 7.5 CGPA.

\*M.Sc. Physics with specialization in electronics/solid state engineering, M.Sc. Mathematics with specialization in signal processing/theory of computation).

**Stipend (Against Teaching Assistantship)**

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**For any query contact:**

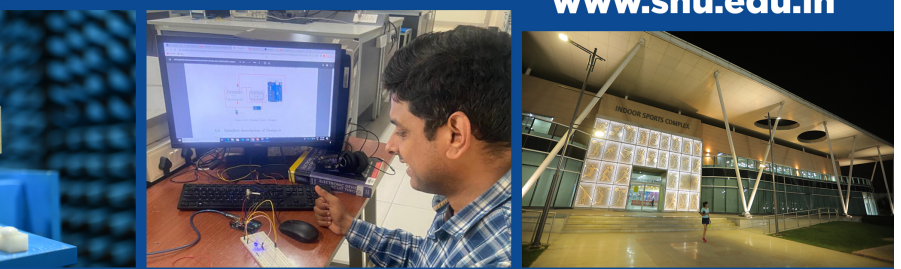
**Ms. Priyanka Verma**  
Tel.: 0120- 7170100, Ext. 428  
Mob. 8077173721  
[priyanka.verma@snu.edu.in](mailto:priyanka.verma@snu.edu.in)

**Selection Process**

- Eligible candidates will be called for written test. The written test will be conducted in an online mode.
- Shortlisted candidates will be called for Interview (based on written test cut-off). Interviews will be conducted at the Shiv Nadar IoE, Delhi NCR campus (in exceptional cases it can be held online).
- Syllabus: 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).
- Applicants waiting for the qualifying examination results are also eligible to apply.

**How To Apply?**

Applicants are requested to use the following link to submit the application form online:  
<https://snu.edu.in/admissions/graduate-programs>



**[www.snu.edu.in](http://www.snu.edu.in)**

**Dr. Sonal Singhal**  
(Co-ordinator, Ph.D. Program)  
[sonal.singhal@snu.edu.in](mailto:sonal.singhal@snu.edu.in)