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

**Research Areas**

- VLSI Systems and Technology, Microelectronics, MEMS
- Communication Engineering, RF & Microwave Engineering
- Signal Processing
- Control Systems, Power Electronics, Power Systems and Electrical Machines

Descriptions of research interests of our faculty can be found at [http://snu.edu.in/engineering/engineering_electrical_engineering_faculty.aspx](http://snu.edu.in/engineering/engineering_electrical_engineering_faculty.aspx)

**Eligibility**

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<tr>
<th>Level of Education of Applicant</th>
<th>Selection process</th>
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<tr>
<td>First Division in M.E. / M. Tech. or equivalent in relevant discipline from a recognized Technical Institute or University. OR B.E. / B.Tech. in relevant branch of engineering or equivalent degree with exceptionally good academic credentials, good GATE/CSIR/UGC-NET score and strong aptitude for research.</td>
<td>Shortlisted candidates will be intimated well in advance to appear in 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. Applicants waiting for the qualifying examination results are also eligible to apply.</td>
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Selection into the Ph.D. program will be based on the following steps:

(a) Multiple Choice Questions Written test (waived if valid GATE percentile is equal to or above 95)

(b) Technical Interview

The Multiple Choice Questions Written Test will be held for a period of 60 minutes, based on the following syllabus:

**The candidates may choose to write test in either (1) Electrical Engineering or (2) Electronics and Communication Engineering**
1. Syllabus for Electrical Engineering (EE)

ENGINEERING MATHEMATICS

Linear Algebra, Calculus, Differential equations, Complex variables, Probability and Statistics, Numerical Methods, Transform Theory

ELECTRICAL ENGINEERING

Electric Circuits and Fields, Signals and Systems, Electrical Machines, Power Systems, Control Systems, Electrical and Electronic Measurements, Analog and Digital Electronics, Power Electronics and Drives

2. Syllabus for Electronics and Communication Engineering (ECE)

ENGINEERING MATHEMATICS

Linear Algebra, Calculus, Differential equations, Complex variables, Probability and Statistics, Numerical Methods, Transform Theory

ELECTRONICS AND COMMUNICATION ENGINEERING

Networks, Electronic Devices, Analog Circuits, Digital circuits, Signals and Systems, Control Systems, Communications, Electromagnetics, VLSI

Financial Assistance

All candidates admitted to the Ph.D. program will receive teaching/research assistantships of INR 35,000 per month along with tuition fee waiver, and hostel fee waiver. The assistantship is subject to satisfactory performance in the program evaluated continuously, and compliance with all University regulations.

Application Process

Fill PhD Application Form by downloading from http://snu.edu.in/admission/admissions_open_for_phd_soe.aspx; Please send the filled and signed application form, self-attested enclosures, and non-refundable demand draft of Rs.1,000/- (in favor of “Shiv Nadar University” payable at Delhi) to the following mailing address with “Ph.D. application for EED-SNU 2015-16” written on the envelope:

Dr. Ramesh Vaddi
Room No: C-212,
Dept. of Electrical Engineering
School of Engineering
Shiv Nadar University P.O.
NH-91, Tehsil Dadri
District Gautam Buddha Nagar, UP 201314
Application Deadline

<table>
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<th>Event</th>
<th>Date</th>
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<tr>
<td>Last date for the receipt of completed application form &amp; application fee</td>
<td>April 15, 2015</td>
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<tr>
<td>Written Tests and Interview</td>
<td>April 23-24, 2015</td>
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<tr>
<td>Declaration of Results</td>
<td>by May 15, 2015</td>
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Applications will be considered immediately upon receipt and shortlisted candidates will be notified by email well in advance so that they can plan their travel. Hence, candidates are urged to apply as early as possible.

Completed applications received after April 15, 2015 will still be considered till June 30, 2015, on a case by case basis subject to availability of assistantships.

About Shiv Nadar University

Shiv Nadar University ([www.snu.edu.in](http://www.snu.edu.in)) is a multi-disciplinary research university, established by the Shiv Nadar Foundation in 2011 through an act of the State of Uttar Pradesh, India. It is built on a spacious 256 acres fully-residential campus, near Dadri, U.P., on the outskirts of Delhi. The University is driven by its distinguished faculty in natural sciences, humanities and social sciences, engineering, management & entrepreneurship, communication, education, art and design. The Ph.D. program at SNU is currently a full-time, residential program.

For more information about the Ph.D. program in Electrical Engineering, areas of research etc. the prospective candidates may contact: Dr. Ramesh Vaddi (e-mail: Ramesh.Vaddi@snu.edu.in) and Dr. Dinkar Prasad (email: Dinkar.Prasad@snu.edu.in).