

SHIV NADAR UNIVERSITY

School of Engineering Department of Electrical Engineering

M.Tech. Admissions Announcement (For 2017-18 Academic Year)

The Department of Electrical Engineering in the School of Engineering at Shiv Nadar University invites applications for admission to M.Tech. program in 'Electronics and Communication Engineering'.

Program

This is a two-year Master of Technology (M.Tech.) degree program in 'Electronics and Communication Engineering'. Under this program the students may choose to specialize either in 'VLSI Systems and Technology' (VST) stream or in 'Communication Engineering' (CE) stream.

The Master of Technology in 'Electronics and Communication Engineering' is designed to prepare students for a highly productive career in industries, research and development organizations or in academic institutes.

Eligibility

Education

First Division in B.E. / B.Tech. or equivalent in Electrical / Electronics & Communication discipline from a recognized Technical Institute or University. Final-year students can apply while awaiting their results. A good GATE/CSIR/UGC-NET score is strongly recommended, but not compulsory.

Selection Process

Eligibility criteria mentioned above are minimum standards and applications not meeting the same will be rejected. Short-listed candidates will be required to demonstrate their knowledge and preparation through an on-site written test and interview, to be held in July 2017 (see *Application Deadlines* on page 4). The written tests and interviews will be conducted at the Shiv Nadar University (SNU) campus in Greater Noida, U.P. ***Please note that not all candidate meeting the minimum eligibility criteria may be shortlisted. The written test may be waived for candidates with excellent academic credentials, solely at the discretion of the department.***

Written Test Syllabus: Syllabus for written test is same as GATE-2017 syllabus in Electronics & Communication Engg.

M.Tech. Student Categories

- i) Regular (full-time): Students who work full-time for their M.Tech degrees and receive assistantships from Shiv Nadar University.

- ii) Sponsored (full-time): Students sponsored by a recognized R&D organisation, academic institution approved by UGC/AICTE, governmental organisation or industry. At the time of application, the candidate must have been an employee of his/her organisation for at least two (2) years, engaged in professional work in the discipline in which admission is sought. ***Sponsorship letter must be attached with the application.***

Financial Assistance

Regular full-time M.Tech. students will receive teaching/research assistantships of ₹ 16,000 per month for 24 months.

Sponsored full-time M.Tech. candidates will not receive any teaching assistantship or stipend.

All full-time M.Tech. students, both regular and sponsored, will receive partial tuition and hostel room fee waivers amounting to a total of ₹ 14,500 per month for two years.

The assistantship and/or fee waivers will continue subject to satisfactory academic performance evaluated at the end of each semester. Satisfactory academic performance is defined as a minimum cumulative GPA of 7.0 on a scale of 10, plus any additional criteria which the department may define at the time of admission.

Program and Admission Fees (Please see annex. 1 for more information)

Particulars	Fee	Remarks
Admission Fee (Non-refundable)	₹ 24,000	One-time fee payable at the time of admission in the first year of the M.Tech. program
Security Deposit (Refundable)	₹ 75,000	
Sub-Total (One Time):	₹ 99,000	
Tuition Fee (per year)	₹ 10,000	(after 90% waiver)
Hostel Fee – Single Room (per year)	₹ 36,000	(after 70% waiver)
Sub-Total (per year):	₹ 46,000	

Note:

- Teaching Assistantship is available to fulltime M.Tech. students. The sponsored candidates are not entitled for receiving Teaching Assistantship.
- Waivers:
 - Waivers for tuition and hostel fees are for 2 years only. Beyond year 2, the student has to pay the tuition and hostel fees in full.
 - The Department reserves the right to reduce the waiver based on the academic credentials of the applicant.
- Continuation of financial assistance is subject to satisfactory performance evaluated continuously, and compliance with all University regulations. The student is required to maintain a minimum CGPA of 7.00.
- All charges are payable at the beginning of the Academic Year as per schedule announced separately.
- Mess and Laundry Charges: In addition to the above, the use of mess and laundry services from the University authorized resident vendor is mandatory for all resident students irrespective of the degree program they are pursuing. We collect ₹21,500 per semester for

mess and ₹ 2,250 per semester for laundry, which is pass through to the vendors. These charges are collected by the University at the beginning of every semester and paid to the vendor. These charges may vary from year to year based on inflation and the decisions of the relevant student body and Dean-Student Welfare, and will be communicated by Dean-Student Welfare at the beginning of each academic year.

6. Security deposit is refunded on Graduation after deduction of any recoveries.

Application Fees

All applicants to the M.Tech. program are required to pay a non-refundable application fee of ₹ 1,200 (one thousand two hundred only) by credit/debit card, online, or by Demand Draft drawn in favour of “Shiv Nadar University” payable at NOIDA. Please note that the University reserves the right to accept or reject any application based on departmental screening criteria, hence all applications may not be shortlisted for written examination and/or interview. No requests for refund of the application fee shall be entertained under any circumstance.

Total Seats

Regular, full-time candidates are sought for a maximum of 10 seats in the department. Please note that the University reserves the right to admit a smaller number of students if the admissions committee does not find enough suitable candidates.

Programme Structure

Students entering this programme will have to complete a minimum of 60 credits in 2 years that will comprise coursework and research based thesis work. The credit distribution is given below:-

- a) Core Courses: minimum 12 credits (typically 3 to 4 courses)
- b) Elective Courses: minimum 20 credits (typically 5 to 6 courses)
- c) Thesis: 26 credits.

The semester wise program structure is mentioned below:

Typical Semester-wise Course Distribution for M.Tech. program

First Semester

S. No.	Course Title
1	Advanced Signal Processing
2	Mathematical Methods for Engineers
3	Computer Aided Circuit Analysis & Design
4	Technical Communication

Second Semester

S. No.	Course Title
1	Elective -1
2	Elective -2
3	Elective -3
4	Elective -4

Third Semester

S. No.	Course Title
1	Elective -5
2	Project-1

Fourth Semester

S. No.	Course Title
1	Project-2

b) List of Elective Courses:

S. No.	COURSE NAME
1	Advanced Digital communication
2	Advanced Wireless & Mobile Communication
3	Advanced Electromagnetics
4	RF & Microwave Engineering
5	Satellite Communication
6	Optical Communication
7	Information & Coding Theory
8	Graph Signal Processing
9	Image Processing
10	Analog CMOS Design
11	Mixed Signal Circuits & Systems
12	Advanced Digital Hardware Design
13	Verification & Testing
14	Advanced Power Electronics
15	Machine Learning

The profile of faculty members of Electrical Engineering Department can be found by clicking on the link below:

http://snu.edu.in/engineering/engineering_electrical_engineering_faculty.aspx

Application Instructions

All interested applicants shall apply online using the link given below. Please follow the instructions carefully.

- Fill all the mandatory fields
- Online upload of the following documents is required

- Passport size color photograph
- Current CV
- All Mark Sheets/Degree Certificates (10th Standard onwards)
- Standardized Examination Certificate- CSIR, UGC, GATE, etc. (only if applicable)
- After online submission, print the completed form for your record. It need not be sent to the University except in the case mentioned below.
 - In case you have not been able to pay the application fee online and are sending it by a bank draft, please send it by speed post to the University at the address given below along with a copy of your application form.
 - Sponsored candidate need to send a sponsorship letter from their respective organizations.
 - Please write “M.Tech. application for EED–SNU Academic Year 2017-18” near the bottom left of the envelope containing the above documents.
- **Please note that the application is not deemed complete until we receive all the necessary prescribed documents and application fees.**

Application Deadlines

Last date for the receipt of completed application form & application fee	June 9, 2017
Written Tests and Interview (<i>subject to change</i>)	July 4 & 5, 2017
Declaration of Results (<i>subject to change</i>)	July 10, 2017

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 **June 9, 2017** will be considered on a case by case basis subject to availability of assistantships.

Address for Speed Post

Ms. Anuja Bhardwaj

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About Shiv Nadar University

Shiv Nadar University (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 in Greater Noida, 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.

Annexure 1

Fees Structure 2017–19 (in ₹)

	Item	Year 1	Year 2	Full Program
(1)	One time charges			
	Admission Fee (Non-refundable)	₹ 24,000		₹ 24,000
	Security Deposit (Refundable)	₹ 75,000		₹ 75,000
(2)	Recurring Charges			
	Tuition Fee	₹ 1,00,000	₹ 1,00,000	₹ 2,00,000
	Hostel Fee (Single)	₹ 1,20,000	₹ 1,20,000	₹ 2,40,000
(3)	Total Charges (1)+(2)	₹ 3,19,000	₹ 2,20,000	₹ 5,39,000
(4)	Financial Assistance			
	Tuition Fee Waiver 90%	₹ 90,000	₹ 90,000	₹ 1,80,000
	Hostel Fee Waiver - 70%	₹ 84,000	₹ 84,000	₹ 1,68,000
(5)	Net Payable (3)-(4)	₹ 1,45,000	₹ 46,000	₹ 1,91,000
(5)A	Cost Excl. Security Deposit	₹ 70,000	₹ 46,000	₹ 1,16,000
(6)	Teaching Assistantship @₹16,000 per month (for 24 months max)	₹ 1,92,000	₹ 1,92,000	₹ 3,84,000

Note:

1. Teaching Assistantship is available to fulltime M.Tech. students. The sponsored candidates are not entitled for receiving Teaching Assistantship.
2. Waivers
 - a. Waivers for tuition and hostel fees are for 2 years only. Beyond year 2, the student has to pay the tuition and hostel fees in full
 - b. The Department reserves the right to reduce the waiver based on the academic credentials of the applicant.
3. Continuation of financial assistance is subject to satisfactory performance evaluated continuously, and compliance with all University regulations. The student is required to maintain a minimum CGPA of 7.0.
4. All charges are payable at the beginning of the Academic Year as per schedule announced separately.

5. Mess and Laundry Charges: In addition to the above, the use of mess and laundry services from the University authorized resident vendor is mandatory for all resident students irrespective of the degree program they are pursuing. We collect ₹21,500 per semester for mess and ₹ 2,250 per semester for laundry, which is passed through to the vendors. These charges are collected by the University at the beginning of every semester and paid to the vendor. These charges may vary from year to year based on inflation and the decisions of the relevant student body and Dean-Student Welfare, and will be communicated by Dean-Student Welfare at the beginning of each academic year.
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