



School of Engineering
Department of Mechanical Engineering

M.Tech Admissions Announcement
(For 2019-20 Academic Year)

The department of Mechanical Engineering in the School of Engineering at Shiv Nadar University (SNU) invites applications for admissions to its M.Tech Program.

About the Programme

The Master of Technology (M.Tech) in **Design Engineering** [Department of Mechanical engineering] is a postgraduate program at SNU. Students entering this program will be awarded the M.Tech degree on successful completion of 52 credits in 2 years.

Objectives of the Programme

This educational program has been started to address the demands of the modern industry. We at Mechanical Engineering Department (SNU) are well- aware of the fact that today's graduates must have the knowledge of the actual state of the industry, its culture and the complex interactive management and operating systems which are based on value-added efforts, team performance and result-oriented leadership.

Mechanical Engineering Department is offering M.Tech program in Design Engineering.

The Master's Program students are required to complete 21 classroom credit hours, 6 laboratory credit hours and an industrial research thesis of 25 credit hours. The thesis is designed to provide a platform for the students to demonstrate competencies in learned methodologies and acquired skills to enhance real-time performance. The Program will inculcate the skills and ability in the students to effectively fulfill the requirements of positions as Design Engineers, Stress Analyst, and Scientist in various R&D industries and Research laboratories too.

Specializations available in the department: Design Engineering

Programme Structure

Students entering this program will have to complete 52 credits in 2 years that will comprise of coursework and a research thesis.

The semester wise program structure is mentioned below:

M.Tech. (Design Engineering)

SEMESTER-I

Course No.	Course Name	L	T	P	C
MAXXX	Designing with Advanced Materials	3	0	0	3
MEDXXX	Advanced Mechanics of Solids	2	0	1	3
MEDXXX	Modelling and Simulation	1	0	2	3
MEDXXX	Research Methodology	1	0	2	3
		9	0	6	12

SEMESTER-II

Course No.	Course Name	L	T	P	C
MEDXXX	Advanced Machine Design	3	0	0	3
MEDXXX	Finite Element Method	3	0	0	3
MEDXXX	Dynamics and Vibration	3	0	0	3
MEDXXX	Elctive-2	3	0	0	3
MEDXXX	Elctive-3	3	0	0	3
		15	0	0	15

SEMESTER-III

Course No.	Course Name	L	T	P	C
MEXXX	Dissertation -I	0	0	10	10
		0	0	10	10

SEMESTER-IV

Course No.	Course Name	L	T	P	C
MEXXX	Dissertation- II	0	0	15	15
		0	0	15	15

List of Electives

Advanced CAD
Advanced Vibration
Vibration and Acoustics
Reliability and Fault Diagnostics
Continuum Mechanics
Mechatronics

The department admits MTech students under the following categories

i) REGULAR (FULL -TIME)

These are students who work full-time for their M.Tech degrees and receive assistantships from the Institute.

ii) SPONSORED (FULL-TIME)

A candidate in this category is sponsored by a recognized R&D organisation, academic institution, governmental organisation or industry for doing M.Tech in the Institute on a full-time basis. The applicant must be a regular employee of his/her organisation with at least two years of experience at the time of admission and be engaged in professional work in the discipline in which admission is sought. He/She will not receive any financial support from the Institute. Sponsorship letter must be attached with the application

Eligibility: B.E/B. Tech. Degree in Mechanical/Production Engineering with overall marks of at least 60% (or minimum 6.5/10 CGPA) and a valid GATE Score. Final year students can apply while awaiting their results.

(Note: Those from IITs and NITs and SNU with a CGPA ≥ 8.0 will be exempted from written test. Candidates who have qualified GATE in 2017/2018 and have score ≥ 75 will not have to appear in the written test.)

Total Seats

Admission is sought for a maximum of 10 seats in the department. Please note that the University reserves the right to admit the lower number of students if the admissions committee does not find enough suitable candidates.

Selection Process: Eligibility criteria mentioned above is the minimum standards and applications not meeting the same will be summarily rejected. Short-listed candidates will be required to demonstrate their knowledge through a written test and/ or interview, to be held on **16 JULY 2019***. Selections will be based on past academic performance, written examination and/or interview. **Please note that not all candidates meeting the minimum eligibility criteria may be shortlisted.**

Syllabus for the Written Test

The syllabus for the written test will be same as that of GATE Mechanical Engineering for 2018.

Program and Admission Fees: SNU provides attractive financial assistance in the form of substantial Tuition and Hostel Fee waivers, and an attractive Assistantship to attract the best candidates. The fee structures, Waivers and Assistantships information is mentioned below:

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.

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.

Fees Structure for 2019–21 batch can be referred at university website

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.
 - c. Failure to maintain a CGPA of 7.00 at the end of second semester will result in loss of tuition fee waiver for the rest of the program (i.e. 3rd and 4th Semesters). Tuition fee waiver once lost, can never be restored.
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 7.00.
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 advances of ₹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.

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

Application Fees: You will be required to pay a non-refundable application fee of Rs. 1200 (One Thousand Two Hundred Only) by credit/debit card on-line or Demand Draft drawn in favor of **Shiv Nadar University** payable at **NOIDA**. Candidates may note that the University reserves the right to accept or reject any application based on its 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.

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

Important Dates

Last date for the receipt of completed application form & application fee	30th June, 2019
Written Tests and Interview	16th July, 2019*
Declaration of Results	By 19th July, 2019*

*Note: These dates may be subject to change.

Address for Speed Post:

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