



School of Engineering
Department of Mechanical Engineering

M.Tech Admissions Announcement
(For 2020-2021, 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	Adv. 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 Systems Design

*This is a tentative list of courses. There may be changes as per the faculty offering.

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/Aerospace Engineering with overall marks of at least 60% (or minimum 6.5/10 CGPA). Final year students can apply while awaiting their results. Only students with valid GATE score or a cGPA ≥ 8.0 in their qualifying degree shall be eligible for financial assistantship.

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 tentatively in **July 2020***. Selections will be based on past academic performance, written examination and/or interview. **Please note that the department reserves the rights to alter the eligibility requirements/selection process and course specifications as and when required.**

Syllabus for the Written Test

The syllabus for the written test will be same as that of GATE Mechanical Engineering for **2019**.

Fees: Information about the fee structure and the nature of assistantships are available on the website.

Financial Assistantship: University offers Teaching Assistantship that include a monthly stipend of ₹ 16000 and waivers in tuition fees (90% waiver) and Hostel fees (70% waiver) to qualified students. The assistantship is available for applicants with valid GATE score or applicants with ≥ 8 cGPA in their qualifying degree in the absence of GATE score.

Other applicants not fulfilling the above criteria who have secured admission in the program shall not receive any financial assistantship.

Sponsored candidates shall not receive any financial assistantship. ***Sponsorship letter must be attached with the application.***

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 online 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.
- 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 online application form & application fee	July 15, 2020
Exam and/or Interview dates	To be intimated
Declaration of Results	August 2020*

*Note: These dates may be subject to change.

Applications will be considered immediately upon receipt and shortlisted candidates will be notified (email) by 3rd week of July 2020 (tentatively). Hence, candidates are urged to apply as early as possible. You will be contacted for further admission procedure in case you fulfill the admission criteria and get shortlisted for written test and/or interview.

Supporting documents may be sent via email/Speed Post to:

Bhupender Verma

Executive Assistant to the Head of Department
Department of Mechanical Engineering (SOE)
Shiv Nadar University
P.O. - Shiv Nadar University
NH-91, Tehsil Dadri
District Gautam Buddha Nagar, UP-201314.

For further enquiry or information visit our website www.snu.edu.in

OR

Contact Dr. Divya Shrivatsava, divya.shrivastava@snu.edu.in (Faculty coordinator, Post Graduate Programs).

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