

SHIV NADAR UNIVERSITY

School of Engineering

Ph.D. Admission Announcement: 2019-2020, Summer 2019

Department of Mechanical Engineering

The Mechanical Engineering Department in the School of Engineering at Shiv Nadar University invites applications for admission in the Ph.D. program. Candidates admitted for full time PhD program will receive a stipend of **Rs. 50,000/- (fifty thousand rupees)** per month for the first two years and **Rs. 55,000/- (fifty five thousand rupees)** for the next two years. There is a provision for part time PhD admission also. However, no financial support will be provided for part time doctoral program.

Broad Research Areas:

- *Biomaterials, Surface Engineering, Additive manufacturing, Tribology and Biomimetics, Computational material science and high entropy alloys*
- *Vibrations and Aeroelasticity*
- *Nonlinear FEA, Composite Structures and Functionally Graded Materials*
- *Computational mechanics*
- *Computational Fluid Dynamics and Multiphase flows*
- *Robotics, Mechatronics and Control - Bio-inspired Robot*
- *Renewable energy*
- *Reliability, Smart manufacturing and Industrial engineering*

More detailed descriptions of research interests of our faculty can be found at http://snu.edu.in/engineering/engineering_mechanical_engineering_faculty.aspx

Many of our research projects are interdisciplinary in nature, involving collaborations with other schools and research centers of the university.

Eligibility

Level of Education of Applicant	Selection process
1. ME/MTech degree in Mechanical / Aeronautical / Aerospace / Automobile /Industrial Engineering/Material Science and Engineering/Nano Science and Technology/Chemical Engineering/Structures, with a minimum of 60% marks or an equivalent grade point from a recognized technical institute or university. AND B. Tech/BE. in Mechanical/Aerospace or relevant Discipline. Candidates who have qualified for GATE are highly preferred.	Shortlisted candidates will be intimated well in advance for appearing in written tests and interview. The written tests and interview will be conducted at Shiv Nadar University (SNU) campus in Gautam Buddha Nagar District (near Greater Noida), U.P. Separate Test and Interview Centers may be opened at various locations within

Applicants waiting for the qualifying examination results are also eligible to apply.	India depending upon the pool of shortlisted applicants.
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Selection Process: The eligibility criteria mentioned above are minimum standards and applications not meeting the same will be summarily rejected. Short-listed candidates will be required to demonstrate their knowledge through an on-site written test and interview, to be held in **May 2019**. Selections will be based on past academic performance, written examination and/or interview. **Please note that not all candidate meeting the minimum eligibility criteria may be shortlisted.**

Fee Details: Fee and financial assistance details are available on our website.

Syllabus for Mechanical Engineering (MED)

ENGINEERING MATHEMATICS

Linear Algebra, Calculus, Differential equations, Probability and Statistics, Numerical Methods

MECHANICAL ENGINEERING

Strength of Materials, Fluid Mechanics, Heat Transfer, Thermodynamics, IC Engines, Refrigeration and Air Conditioning, Theory of Machine, Machine Design, Turbomachines, Computer Integrated Manufacturing, Robotics, Operation Research and Engineering Materials, Surface Engineering and Tribology, Renewable energy technology, Production Technology.

PART-TIME PhD PROGRAM REGULATIONS

Qualified candidates unable to attend SNU on a Full-Time basis may choose to pursue part-time PhD program. SNU does not provide fellowship/assistantship to such candidates. The candidate can be self-sponsored or sponsored by other organizations.

Eligibility criteria for Part-Time PhD candidate is same as that of full-time candidate. Additional criteria (Geographic limitations, minimum experience levels etc.) shall be imposed by the department. A part-time PhD external (sponsored) candidate has to provide a no-objection certificate from his/her employer before admission.

Residence Requirement

Part-Time external candidates have to fulfill residence requirement of at least one semester in the University.

Duration

The minimum duration of part-time PhD studies is 6 semesters (3 years). The maximum duration of the program cannot exceed 12 semesters (6 years). However, an extension of one year may be provided by the Director of the school on case by case basis.

1. Part time PhD program does not have any residential requirement after 1st semester. Hostel facility is not available for Part Time students.
2. Candidates can use the Guest House for overnight stay on the charges applicable.
3. Candidates can also use current dining halls for food, by paying at the counter.
4. There is no financial assistance available from SNU for this program.
5. The tuition fee charges is set as ₹ 1,25,000 per year.

Application Instructions:

All interested applicants should apply online by clicking on “Apply Now” button. Please follow the instructions carefully.

- Fill all the mandatory fields

- **Online upload** the following documents:

- Passport size color photograph
- Current CV
- All Mark sheets/Degree Certificates (10th Standard onwards)
- Standardized Examination certificate- CSIR, UGC, GATE etc. (If applicable)
- **A Statement of Purpose**

- **Application Fees:** You will be required to pay a non-refundable application fees of ₹ 1,200 (One Thousand Two Hundred Only). **The application fee may be paid online or a Demand Draft (in favor of “Shiv Nadar University” payable at NOIDA) may be sent to the under mentioned address.**

- After online submission, print the completed form and send by speed post at the address given below. A reference letter in support of your application will also be required.

- Following is the checklist of the documents (You may add additional documents if required)

- Completed form
- At least one reference letter in support of application

- Demand Draft for application fee (If online-fee payment mode is not used)

Please note that the application is not deemed complete until we receive all the prescribed documents and application fees.

Important Dates

Last date for the receipt of completed application form & application fee	May 7, 2019
Written Tests and Interview	May 16, 2019*
Declaration of Results	May 22, 2019*

*Note: These dates may be subject to change.

Applications will be considered immediately upon receipt and shortlisted candidates will be notified (email) by May 5, 2019 (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 interview.

Supporting documents may be sent by Speed Post to:

Mr. Bhupender Verma,
Executive Assistant
Mechanical Engineering Department
School of Engineering
Shiv Nadar University
P.O. SNU, NH-91, Tehsil Dadri
District Gautam Buddha Nagar, UP 201314
Telephone: 0120 266 3801 Ext. 701
bhupender.verma@snu.edu.in

APPLY NOW

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

OR

Contact Dr. Rajesh Reddy, sathi.reddy@snu.edu.in (Faculty-in-charge, Post Graduate Programs).