



School of Engineering

Opportunities for Ph.D. Studentship in Mechanical Engineering Department

The Mechanical Engineering Department in the School of Engineering at Shiv Nadar University invites applications for admission in the Ph.D. program starting January 2015.

Broad Research Areas:

Mechanics: Modeling, Experimentation, & Computation

Computational Structural and Fracture Mechanics, Fluid Mechanics, Mechanics of Solid Materials, Non linear material models, flow-induced vibration, acoustic compressible flow

Thermodynamics & Energy

Solar energy, Air-conditioning, Heat Transfer, Energy and CFD (Computational Fluid Dynamics)

Bioengineering & Nano Engineering

Synthesize and characterization of nanoparticles and multifunctional nano-hybrid materials (magnetic, optical etc) with controlled morphology, particle sizes, pore sizes and surface properties for the applications at the interface of chemistry and biology such as bio-sensors, bio-separations, nanomedicine and also for green energy technologies.

Manufacturing, Product Development & Industrial Engineering

Rapid product development, computer aided design, product design, precision engineering, applications. Quality, reliability and maintenance engineering and their integration with operations planning

Robotics, Mechatronics & Control

Biomimetic robotics, Industrial Automation and Control, fuzzy logic.

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: A candidate should have a Masters degree in Mechanical / Aeronautical / Aerospace / Automobile / Civil (structures), with a minimum of 60% marks or an equivalent grade point. Candidates who have qualified for GATE are strongly preferred. Short-listed candidates will be required to demonstrate their knowledge through an on-site written test and interview, to be held on 3rd Jan 2015. Selections will be based on past academic performance, written examination and/or interview.

Financial Assistance: All candidates admitted to the Ph.D. program are eligible for teaching/ research assistantships/fellowships of Rs. 35,000 per month along with tuition fee waivers. In addition, SNU offers hostel fee waivers to all Ph.D. students.

Application Process: All interested candidates should apply in the prescribed form, available at <http://www.snu.edu.in> . The duly filled application form can be sent by email (ramesh.gupta@snu.edu.in) and hard copy of the application form along with supporting documents, and a non-refundable demand draft of Rs.1,000/- (in favor of “Shiv Nadar University” payable at Delhi) should be sent by Speed Post to following address with subject line of “Ph.D. application for MED-SNU 2014-15” written on the envelope:

Mr. Narender Kumar,
Lab Assistant,
Room No. C-111
Mechanical Engineering Department
School of Engineering
Shiv Nadar University
P.O. Shiv Nadar University
Greater Noida,
District Gautam Buddha Nagar
UP, 201314
Email: ramesh.gupta@snu.edu.in
Telephone: 0120 266 3801 Ext. 301

Applications should reach the above office by 1st Jan. 2014.

About SNU

Shiv Nadar University (<http://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., at 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 full-time and completely residential.