School of Natural Sciences
Department of Physics
Ph.D. Admissions Announcement: 2016-17

The Department of Physics in the School of Natural Sciences at Shiv Nadar University (SNU) invites applications for admission in the Ph.D. program starting from August 2016. Our graduate program is designed to serve a wide range of research interests and offers an excellent learning and research environment to motivated and ambitious students. Many of our research projects are interdisciplinary in nature, involving collaborations across multiple departments in the School of Natural Sciences, as well as other schools and research centers of the university. Diverse research interests in the fields of Condensed Matter and High Energy Physics of our faculty members can be found at http://snu.edu.in/naturalsciences/natural_sciences_physics_faculty.aspx

Eligibility: A candidate should have (or expected to have) a Master’s degree by August 2016 in the appropriate science discipline, with a minimum of 60% marks or an equivalent grade point. Candidates who have qualified for CSIR-UGC- NET-JRF, GATE, JEST, ICMR-JRF, or NBHM Fellowship will be preferred.

Selection Process: Applicants not meeting the above eligibility criteria will be summarily rejected. Please note that a candidate meeting the minimum eligibility criteria may not be shortlisted. Shortlisted candidates will be required to demonstrate their knowledge through a written test and interview at SNU. Candidates called for the interview will be provided train (sleeper class)/bus fares and local accommodation. Selections will be based on past academic performance, written examination and/or interview.

Assistantship: All candidates admitted to the Ph.D. program are eligible for teaching/research assistantships of Rs. 35,000.00 per month for four years. The assistantship is subject to satisfactory performance in the program evaluated continuously, and compliance with all University regulations. Admission and other applicable fees and charges for the PhD program can be found at the SNU website.

Application Fees: A non-refundable application fees of Rs. 1,200.00 (Rupees one thousand two hundred) can be paid online or by sending a demand draft drawn in favor of “Shiv Nadar University”, payable at NOIDA, Uttar Pradesh.
Application Procedures:

All interested applicants shall apply online from the web-link given below or on the SNU website. Please follow the instructions carefully.

- Fill all the mandatory fields
- **Online upload** of the following documents are required
  - Passport size color photograph
  - Current CV
  - All marksheets/degree certificates (10th Standard onwards)
  - National examination certificate- CSIR, UGC, GATE etc. (If applicable)
  - A statement of purpose
  - Reference letters (at least one)
- The application fee can be paid online or Demand Draft
- After online submission, print the completed form and send by speed post to the University at the address given below with following 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 the Physics department receive all the necessary prescribed documents and application fees.

Completed application form with supporting documents are to be sent by Speed Post to:

Ms. Heena Slathia,
EA to the HOD Physics
School of Natural Sciences
Shiv Nadar University, NH-91, Teshil Dadri
District Gautam Buddha Nagar, UP 201314, India
Email: heena.slathia@snu.edu.in
Telephone: 0120-3819386 / +91 9990792210

Applications should reach the above office by **Friday, 06 May 2016, 5 p.m.**
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.

Research Infrastructure

Laboratories in the School of Natural Sciences (SNS) are equipped with basic research facilities including clean room, thermal deposition, chemical vapor deposition, pulsed electron deposition, magnetron sputtering, spin coater, ball-milling, vacuum annealing, high temperature oven, high temperature split tube furnaces, hydraulic press, glove box, microwave furnace, fume hoods, bio-safety cabinets, CO₂ incubators, shaker incubators, flow cytometry and advanced analytical instruments like thin film XRD, single crystal XRD, AFM, 325nm PL, UV-visible-INR spectrophotometers, I-V measurement system, polarization loop-tracer, polarization microscope, fluorescence microscope, surface profiler, viscometer, thermal conductivity, contact angle, 400 MHz NMR, LCMS-qToF, plate reader, cell counter, electroporator, PCR, RT-PCR, HPLC, and many others.

Computational facilities at SNS include a high performance IBM cluster (“Magus”) consisting of 60 compute nodes (plus two nodes with GPU processors) delivering a theoretical peak performance of ~30 TF. Additionally, there are several stand-alone Linux workstations that are being used for teaching and research purpose. Several software for molecular modeling, molecular dynamics, quantum chemistry, statistic learning, bioinformatics and cheminformatics, are also available.

Our library, housed in a modern 5-storey building, provides online access from anywhere in the campus, to the e-books, electronic journals and databases from APS, AIP, ACS, RSC, AMS, SIAM, Springer, Elsevier, Wiley, Nature, and others.