

School of Natural Sciences  
Department of Mathematics  
Ph.D. Admissions: Spring (2019)

The Department of Mathematics in the School of Natural Sciences (SNS) at Shiv Nadar University (SNU) invites applications for admission in its Ph.D. program starting in January 2019. 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.

The research opportunities at SNU in the department of mathematics are available in the below areas:

- Differential Geometry
- Functional Analysis
- Harmonic Analysis
- Number Theory
- Representation Theory
- Quantum Groups
- Graph Theory
- Networks
- Numerical Analysis
- Differential Equations
- Probability, Statistics
- Mathematical Finance
- Mathematical Biology.

**For any queries related to the application and admission, you may contact**

Ms. Lakshmi Arya  
EA to the HOD,  
Department of Mathematics  
Email: [lakshmi.arya@snu.edu.in](mailto:lakshmi.arya@snu.edu.in)  
Telephone: **0120-3819 793**

After the online submission, **a copy of the completed form** along with the **online payment receipt** should be sent by **email** to [lakshmi.arya@snu.edu.in](mailto:lakshmi.arya@snu.edu.in). The subject heading of email should clearly mention, "Application for PhD Programme". Additionally, you are requested to provide one reference letter directly on the above email address to support your candidature. If any of the required

documents (like reference letter, transcript, etc.) could not be uploaded during the on-line application process due to any reason, the same should be sent as attachment in the above email.

**Online submission of application will be closed on Sunday, 16<sup>th</sup> December 2018**

**APPLY NOW**

**About the Department of Mathematics:**

We are a department of sixteen faculty members with varied research interests across functional and harmonic analysis, representation theory, differential geometry, number theory, encryption, game theory, graph theory, category theory, differential equations, signal processing, computational methods, statistics, mathematical finance, mathematical biology, and medical imaging. A detailed description of the research interests of our faculty and other information is provided on the department website <https://math.snu.edu.in/>

**Research Infrastructure:**

The Dept. of Mathematics and School of Natural Sciences are well equipped with state-of-the-art research facilities and equipment. The university subscribes to major mathematics journals of all areas including MathSciNet database. The department also has a DST-FIST computational lab and a department library. Computational facilities at SNS include a high performance IBM cluster (“Magus”) consisting of 32 compute nodes (plus two nodes with GPU processors) delivering 332.8 Gigaflops by each node and a theoretical peak performance of 10.649 TF from overall compute nodes. Additionally, there are several stand-alone Linux workstations that are being used for teaching and research purposes.