

SHIV NADAR

INSTITUTION OF EMINENCE DEEMED TO BE  
UNIVERSITY  
DELHI NCR



# Doctor of Philosophy in Economics

Department of Economics  
School of Humanities and Social Sciences

**PROSPECTUS**

Class of 2024-25

## General Overview

The Department of Economics at Shiv Nadar Institution of Eminence (SNIOE) Delhi NCR has gained the reputation as one of the top centers for learning and research in India since its establishment in 2012. The department has a vibrant research community, and its faculty members are dedicated to guiding and supporting doctoral candidates throughout their thesis. The department excels in a diverse array of research areas, including macroeconomics, economic growth, international and urban economics, applied microeconomics, econometrics, microeconomic theory, and experimental and behavioral economics.

A distinguishing feature of the Doctoral (Ph.D.) Program in Economics is its emphasis on delivering top-notch theoretical training as a cornerstone for pursuing studies in these fields. With a relatively small size, the program fosters an open, welcoming atmosphere and maintains a favorable student-faculty ratio. Few programs in India rival the level of attentive supervision, faculty interaction, and personalized guidance offered to SNIOE's Economics Ph.D. candidates. Upon completion of the program, graduates will be at the forefront of their research fields, actively contributing to the advancement of knowledge.



## Eligibility Conditions and Admission Process

To be considered for admission, candidates must have achieved a minimum of 55% aggregate in their post-graduate degree or 75% in their four-year undergraduate degree in any discipline.

The admission process to the doctoral program begins with shortlisting potential candidates based on an online screening test. This is followed by an in-person interview at the SNIoE campus. Shortlisted candidates are evaluated based on their knowledge of economics at the post-graduate (Master's) level. The department regularly updates the relevant details of the examination process and timeline on its website. The purpose of the admission process is to evaluate applicants' knowledge of economics at the post-graduate level.

Those who are interested in applying can find the online application link on [this website](#).



## Course Structure

Students who have been selected into the program are required to finish their doctoral dissertation within five years. The initial year of the program is dedicated to mandatory coursework, which will establish a base for conducting research in the subsequent years.

The table below contains the list of courses that must be successfully completed in the first year:

Semester I (Monsoon Semester)	Semester II (Spring Semester)
Microeconomics I Macroeconomics I Mathematical Methods Statistics Programming Language (non-credit)	Microeconomics II Macroeconomics II Econometrics I Elective I Research Methodology

By the conclusion of their first year, doctoral candidates are anticipated to be capable of identifying a research area of interest and selecting a faculty member to serve as their dissertation advisor. Once they have satisfactorily completed foundational courses during their first year, they may also choose to take elective courses offered by the department.

The following is the list of elective courses offered by the department in recent years:

- Industrial Organization
- Public Economics
- International Trade
- Environmental Economics
- Growth and Inequality
- Individual and Collective Choices
- Contract Theory
- Matching and Fair Division
- Open-Economy Macroeconomics and International Trade
- International Finance
- Time Series Analysis
- Social Choice Theory
- Labor Economics
- Game Theory
- Behavioral Economics
- Financial Economics
- Development Economics
- Macro Economics Workshop
- Political Economy Workshop
- Politics and Institutions
- Economics of Discrimination

Upon satisfactory completion of the required course work and research methodology, the student shall be considered Qualified to Candidacy for the Ph.D. degree and should select a research topic for the Doctoral Thesis. The minimum CGPA required for Qualification to Candidacy and continuation in the program is 7.00.

The detailed Ph.D. regulations can found on [this website](#).

## Placements

Our Ph.D. alumni have secured diverse academic and research positions. These positions comprise the role of Assistant Professor at the Indira Gandhi Institute of Development Research (IGIDR) Mumbai, Evaluation Specialist at the International Initiative for Impact Evaluation (3ie), Visiting Assistant Professor position at the Indian Statistical Institute (ISI) located in Delhi, Assistant Professor at the Indian Institute of Technology (IIT) Hyderabad, Assistant Professor at University of Petroleum and Energy Studies Dehradun, and Senior Auditor at American Express.

## Student Testimonials

“In 2014, I enrolled in the Ph.D. program at SNIOE after completing my Master's degree in economics. The program not only equipped me with the necessary technical skills but also prepared me for an academic career. We were encouraged to interact with seminar speakers and receive feedback from experts in other institutes. The faculty stressed the importance of presenting our research at conferences, networking with other researchers, and selecting appropriate journals for publication. This emphasis on visibility has proven to be valuable. The economics department at SNIOE has an incredible faculty who are supportive and helpful. I encourage students to engage with them, discuss research ideas, and seek feedback. SNIOE's interdisciplinary approach, with complementary departments such as mathematics and sociology, is a unique advantage for Ph.D. scholars working on interdisciplinary topics. It is essential for them to interact with relevant faculty members and researchers from other departments”.



**Bharti Nandwani**  
(2014-18)  
Assistant Professor,  
Indira Gandhi Institute of  
Development Research, Mumbai

“During my time at SNIOE, the coursework and research experience provided me with an in-depth understanding of the latest topics and methods in economics. As a technical lead in my current role, I am expected to have a strong grasp of various econometric methods, and the knowledge gained at SNIOE has proven to be valuable. The department at SNIOE encouraged us to attend as many seminars and workshops as possible, which allowed me to learn about the latest research being conducted in the field of economics. These events also provided opportunities for networking with other professionals in the industry, which helped me during my job search after completing my Ph.D. Moreover, the department was supportive of my decision to spend several months as a Visitor at the Indian Statistical Institute in Delhi and Bangalore and Heidelberg University. This experience enabled me to develop connections outside of the department and explore opportunities for joint work. Overall, the coursework, research experience, and interactions with the department at SNIOE have been instrumental in my professional development and prepared me for success in my current role.”



**Chandan Jain**  
(2013-19)  
Senior Evaluation Specialist,  
The International Initiative for Impact  
Evaluation (3ie)

“My present journey as a Ph.D. student in the department has been very fulfilling. The department does its best to support students and provide them with resources that ensure they can achieve their desired research outcomes. Ph.D. students have the opportunity to present their work at national and international conferences, and the department fully funds one such conference for every student. Within the first two years of my Ph.D. journey, I presented my ongoing research at various conferences across the country. I also presented at the Pacific Conference for Development Economics (PacDev) in 2023, hosted by the University of Washington, Seattle, for which the department entirely sponsored my travel and stay.”



**Subarna Banerjee**  
Ongoing, Ph.D.

## Syllabus for the Entrance Examination

**Microeconomics:** Preference Relations, Choice Rules, Weak Axiom of Revealed Preference, Utility Representation of Preferences, Utility maximization, Expenditure minimization, Aggregation of individual demand, Production Sets, Profit maximization, Cost minimization, Choice under uncertainty, Game theory and strategic interaction and applications (equilibrium concepts for normal form games, extensive form games, games of incomplete information)

**Macroeconomics:** Neoclassical and Solow growth models, Dynamic optimization for firm and consumer (consumption vs. savings and labor vs. leisure) Fiscal policy and Ricardian equivalence, Monetary policy and non-neutrality, Exchange Rates

**Statistics and Econometrics:** Probability theory, Statistical Inference, Linear Regression Models and Least Squares, Heteroskedasticity, Multicollinearity, Mis-specified models, Endogeneity and Instrumental Variables, Maximum Likelihood Estimation, Binary Choice Models: Probit and Logit.

**Mathematics:** Permutations and Combinations. Sets and Relations, Functions, Limits, Continuity, Differential and Integral Calculus. Linear Algebra. Unconstrained and Constrained Optimization.

**Logic:** Sentential Logic, Categorical Syllogism, Theory of Relations

## Departmental Resources

Students of the economics department enjoy access to a variety of software and datasets. They have access to various statistical and computing software packages like Stata, Matlab, Mathematica, and E-Views, among others. Additionally, the department provides access to its own server for conducting computationally intensive data work. Furthermore, the university hosts a High Performance Computing (HPC) cluster. The department and the university subscribe to a number of databases such as the Consumer Pyramids Household Survey (CPHS) and Prowess database from the Centre for Monitoring Indian Economy (CMIE), Global Database and World Trend Plus from the CEIC Data, EPWRF India Time Series, Indiastat, ACE Equity among others. The department also hosts cleaned versions of datasets such as the National Sample Survey, Census, Annual Survey of Industries (ASI), and District Information System for Education (DISE) on its server. Students can access an extensive collection of books and journals from publishers like Elsevier and Wiley, along with essential research tools such as Econlit and the Times of India Historical Archives through the university library.



## Fee Structure and Financial Aid

**All full-time Ph.D. students admitted into the program shall receive a doctoral award (teaching and research assistantship) consisting of a tuition-fee waiver (as per the department's discretion) and a monthly stipend of ₹40,000 for the first two years, and ₹45,000 for the next three years, subject to benchmarked performance.**

**All selected students shall receive a 100% tuition fee waiver. Additionally, a Research Grant of ₹1,50,000 (One Lakh fifty thousand) is available for students to be used for conference (only Scopus indexed) travel (domestic and/or international) during the 5-year period of Ph.D. program**

Note:

Continuation in the program and financial assistance is subject to satisfactory performance evaluated continuously, and compliance with all University regulations. The student is required to maintain a minimum CGPA of 7.00 at the end of each semester.

Detailed information about the fee structure and the nature of assistantships is available on the website.

## Hostel Facilities and Recreational Amenities

All academic programs at the university are fully residential. The 286-acre residential campus houses more than 2500 students, 250+ faculties, and staff members. To ensure the residents' comfortable living, the campus has in-house resources, including cafes, grocery stores for daily needs, a fully equipped medical center, an indoor sports complex, a student recreational center, a central library, a post office, saloon, and also an in-house bank with ATMs.

The university offers a wide range of extracurricular activities and clubs, such as music, dance, literature, and sports clubs, as well as community service and leadership development opportunities. The university's location in the Delhi NCR region allows easy access to the city's cultural and recreational opportunities.



## Faculty

The faculty members in the economics department specialize in areas such as Development Economics, Economic Growth, Environmental Economics, Game Theory and Information Economics, Industrial Organization, Labor Economics, Demographic Economics, Macroeconomics, Political Economy, Behavioral Economics, and Public Economics. Their research has been published in several top international journals like Journal of Applied Econometrics, Oxford Economic Papers, Oxford Bulletin of Economics and Statistics, Journal of Business and Economic Statistics, Economic Journal Economics Letters, Journal of Economic Dynamics and Control, Applied Economics, Ecological Economics, Journal of Economic Behavior and Organization, Journal of Development Studies, World Bank Economic Review, Economics of Education Review, PLOS ONE, Journal of the Royal Statistical Society, Journal of Association of Environmental and Resource Economics, Games and Economic Behavior, and Journal of Mathematical Economics among others. Several of our faculty regularly publish in national and local media like Times of India, Economic Times, Mint, Hindustan Times, Hindu Business Line, Telegraph, Anandabazar Patrika, Indian Express, and MoneyControl.

In addition, the faculty members have received prestigious awards and grants from various national and international organisations. The most recent being Best Paper Award in the Applied Economics category at the Econometric Society-Delhi School of Economics Winter School 2023, M.J. Manohar Rao Award 2021, Honorary Fellow at Global Labour Organisation, Non-Resident Fellow at the Center for Development Economics and Sustainability (CDES), Monash University, and Marty Weinbaum Award. Further, our faculty members have been awarded research grants from organisations such as the International Growth Centre (IGC), the Australian Centre for International Agricultural Research (ACIAR), Azim Premji Foundation, CSSR-Equipment, Hong Kong University of Science and Technology, among others.

## Faculty Members



### Shraman Banerjee

Assistant Professor  
Ph.D. (Southern Methodist University)

Specialization: Micro Economic Theory, Mechanism Design



### Shampa Bhattacharjee

Assistant Professor  
Ph.D. (University of British Columbia)

Specialization: Development Economics, Health Economics, Political Economy



### Sandro Brusco

Visiting Professor  
Ph.D. (Stanford University)

Specialization: Mechanism Design, Corporate Finance, Political Economy



### Partha Chatterjee

Professor & Dean (Academics)  
Ph.D. (University of Minnesota)

Specialization: Macroeconomics, International Economics



### Ashokankur Datta

Associate Professor  
Ph.D. (Indian Statistical Institute)

Specialization: Environmental Economics, Development Economics



### Kurt Horner

Assistant Professor & Undergraduate Advisor  
Ph.D. (University of California, Irvine)

Specialization: Macroeconomics, Industrial Organization



### Rajat Kathuria

Professor and Dean (School of Humanities and Social Sciences)  
Ph.D. (University of Maryland)

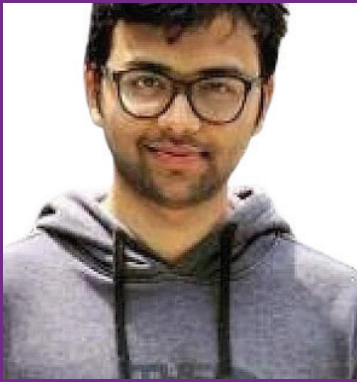
Specialization: Regulation and Competition Policy



### Abhimanyu Khan

Associate Professor  
Ph.D. (Maastricht University)

Specialization: Applied Microeconomic Theory



**Nirvana Mitra**

Assistant Professor (On Leave)

Ph.D. Stony Brook University

Specialization: International Macroeconomics



**Shabana Mitra**

Associate Professor  
Ph.D. (Vanderbilt University)

Specialization: Development Economics, Political Economy, Applied Econometrics



**Mandar Oak**

Professor & Head of the Department  
Ph.D. (Cornell University)

Specialization: Political Economy, Development Economics, Microeconomic Theory



**Manoj Pant**

Visiting Professor  
Ph.D. (Southern Methodist University)

Specialization: International Trade, Development Economics



**Anup Pramanik**

Associate Professor  
Ph.D. (Indian Statistical Institute)

Specialization: Game Theory, Mechanism Design



**Ram Ranjan**

Professor  
Ph.D. (Penn State University)

Specialization: Environmental Economics; Development Economics



**Trishita Ray Barman**

Associate Professor  
Ph.D. (Indian Statistical Institute)

Specialization: Growth Theory, Public Economics



**Darryl W Reed**

Distinguished Professor  
Ph.D. (University of Southern California)

Specialization: Development, Business Ethics, Cooperatives, Social Enterprises



**Arka Roy Chaudhuri**

Assistant Professor  
Ph.D. (University of British Columbia)

Specialization: Economics of Education, Development Economics



**Punarjit Roychowdhury**

Assistant Professor & Postgraduate Advisor  
Ph.D. (Southern Methodist University)

Specialization: Applied Microeconomics, Development Economics, Labor Economics, Economics of Gender



**Gitanjali Sen**

Associate Professor  
Ph.D. (University of Missouri-Columbia)

Specialization: Applied Microeconomics; Development Economics



**Aditi Singh**

Assistant Professor  
Ph.D. (Brown University)

Specialization: Macroeconomics, Behavioral Economics, Labor Economics



**Suchishmita Tarafdar**

Associate Professor  
Ph.D. (Arizona State University)

Specialization: Macroeconomics, Theory of Optimization



## Application Instructions

All interested applicants shall apply online by clicking the “Apply Now” tab. Please follow the instructions carefully.

- Fill in all the mandatory fields.
- Online upload of the following documents is required.
  - Passport size recent color photograph
  - Current CV
  - All mark sheets and degree certificates (Xth Standard onwards)
  - Standardized examination certificate- CSIR, UGC, GATE etc. (if applicable)

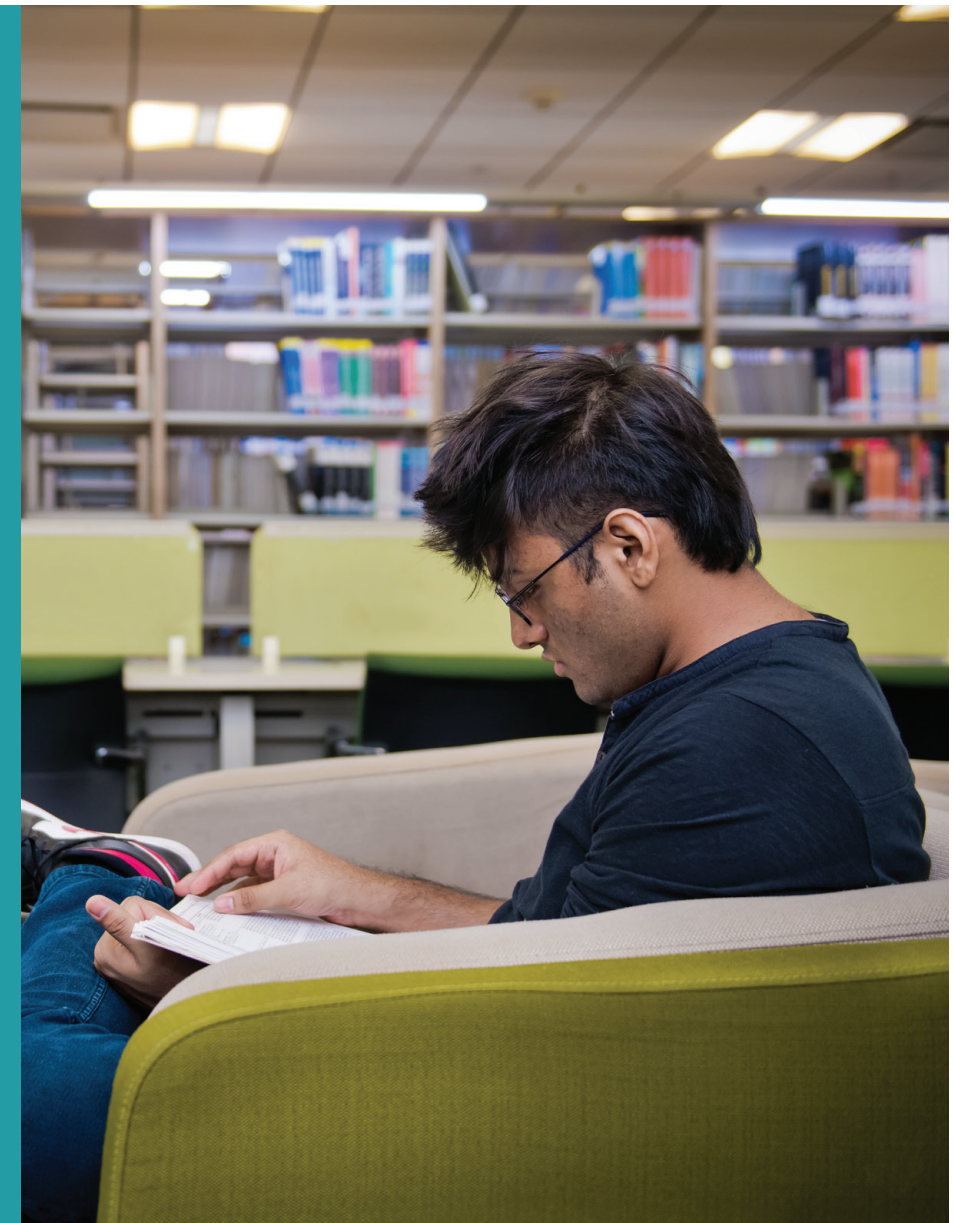
### Application Fees:

To apply, you must pay a non-refundable application fee of ₹1,200 (One Thousand Two Hundred Only) using a credit or debit card. Please note that the University has the discretion to accept or reject any application based on its departmental screening criteria. This means that not all applications may be shortlisted for the written examination. As a result, we will not entertain requests for a refund of the application fee, regardless of whether or not candidates are called for the written examination.



## Important Dates

Last date for the receipt of the completed application form & application fee	April 22, 2024
Online screening test	April 28, 2024
Ph.D. interviews (in-person at Shiv Nadar IoE)	May 19, 2024 (tentative)
Semester start date	August 12, 2024 (tentative)



For any queries, please contact:  
[econ.admission@snu.edu.in](mailto:econ.admission@snu.edu.in)

**APPLY NOW**



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