



Indian Institute of Technology, Delhi



Economics Unit

Department of Humanities and Social Sciences

Placement Brochure 2021-22

The Economics Unit

The economics unit nestled within the HSS department has a renowned faculty actively engaged in research. The Unit has an established legacy for training exemplary scholars through its PhD program.

Heeding to the gap between traditional Economic education and modern Economics, the Unit conceptualized a research focused Masters program with an emphasis on quantitative techniques.

The ability to engage with faculty and students from other social sciences and engineering disciplines places our students in a unique position to leverage technology and produce cutting-edge research.

Currently, there are seven core and seven affiliated faculty members in the economics unit. Their research and teaching cover areas such as Mechanism Design, Health Economics, Labor Economics, Applied Econometrics, Development Economics, and Structural Change.

The unit also offers economics as a minor area specialization for B.Tech students at IIT Delhi.

Visit us at <https://econ.iitd.ac.in/>

Faculty Co-ordinators:

HSS Department

Prof. Varsha Singh

Contact: vsingh@iitd.ac.in

Economics

Prof. Sourabh B Paul

Contact: sbpaul@hss.iitd.ac.in

Prof. Ankush Agrawal

Contact: ankush.agrawal@hss.iitd.ac.in

Student PG Co-ordinators:

Economics:

S S K Pavan

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Masters Program

The department offers a two-year full-time Master of Science program with a choice of 4 specializations:

- Microeconomics
- Macroeconomics
- Quantitative Economics
- Development Economics

The program enrolls the brightest minds from across the country through a two-stage process:

- Scores obtained in the competitive JAM exam
- Subsequent interview by the center's faculty

Unique Features

- Students are required to undertake a two-semester long research project
- Weekly presentations by students and faculty cultivate effective communication skills

Research Project



Infrastructure

Access to custom Datasets and Journals:

To facilitate research and practical data management skills, students have access to leading Journals and databases :

- IndiaStats
- CMIE
- Euromonitor (Passport)
- Bloomberg

Lab Facilities:

- On-campus computer lab running latest software
- Access to High-Performance Computer at IITD through remote server.

- Students are given the option to take classes from engineering and social sciences department.
- Some of the courses favored by our students include Machine Learning, Social Computing, Control Theory and Rural Development

Inter-disciplinary Nature



Industry Specific Courses

Advanced Econometrics and Time-Series Analysis:

The course trains students in modern econometric tools used in research.

- Focus is placed on mathematical rigor and practical skills to analyze real world data.
- Students are required to undertake multiple projects in order to excel in the course

Economics Lab:

Unique to the program at IITD, the course is a fast-paced foray into computer science for Economists. Designed to cater to the needs of the modern researcher, it prepares students to step into the exciting world of Machine Learning and Data Science



Development Economics:

The course equips students in the theoretical knowledge required to tackle pressing challenges faced by developing nations.

- Designed to cultivate future policymakers
- Students are required to critically evaluate research papers to excel in the course.

Game Theory and Mechanism Design:

Along with theoretical foundations, algorithmic approach is taken to study cases in web search auctions, wireless spectrum auctions, and matching markets.

Courses Offered

Economics

- Advanced Microeconomics
- Advanced Macroeconomics
- Development Economics
- Advanced Econometrics
- Economics Lab
- Game Theory and Mechanism Design
- International Trade
- Time Series Econometrics and Forecasting
- Machine Learning for Computational Finance
- Stochastic Processes and its Applications
- Financial Mathematics
- Research Seminar and Research Project
- Labor Economics
- Health Economics

Inter-Disciplinary Optional

- Computer Programming
- Social Computing
- Mathematical Modeling of Credit Risk
- Optimal Control Theory
- Rural Development
- Stochastic Control and Reinforcement Learning
- Data Mining
- Operations Research
- Management Accounting
- Principles of Artificial Intelligence

Faculty Profiles – Economics

Ankush Agrawal Ph.D. IGIDR, Mumbai
Research Areas : India's official statistics, Applied Econometrics, Development Economics

Debasis Mondal Ph.D., Economics, ISI, Kolkata
Research Areas: Macroeconomics, International economics and Public economics

Jayan Jose Thomas PhD in Development Economics, IGIDR, Mumbai
Research Areas: Labor, industrialization and the macroeconomy

Reetika Khera Ph.D., Economics, Delhi School of Economics
Research Areas : Social policy in India, including health and nutrition, education, social protection, employment, poverty, inequality, impact of digital technologies in welfare.

Saptarshi Mukherjee Ph.D., Quantitative Economics, ISI Delhi
Research Areas: Mechanism design, Social choice, Game theory, Bounded rationality theory.

Sisir Debnath Ph.D., Economics, University of Virginia, 2013
Research Areas: Development Economics, Applied Microeconomics, Health Economics

Sourabh B Paul Ph.D., Economics University of British Columbia
Research Areas: Trade and Development, Applied Econometrics, Labour Economics, Health and Nutrition

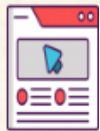
Placement Procedure



Interested companies contact professor-in-charge or placement officer, Training and Placement Cell for a Job Notification Form (JNF) at placement@admin.iitd.ac.in.



JNF requires the companies to fill in mandatory details of the job profile – role offered, pay package, place of posting, eligible departments.



Once the filled-in-JNF with all the required details is received, companies are assigned username/password to access their online account on T&P website.



Companies are also assigned space on the server on which they may upload any presentation, videos, data or other information they want the students to see.



The JNF has to be frozen on the T&P website by the company till a deadline, after which the students shall be able to view all the details, and the eligible students may apply.



After the application deadline for the students, the resumes are visible to the company. The company submits a shortlist on its online account before deadline.



Shortlisted students get notified. The placement office allots the dates for the campus interviews.



After the completion of the selection procedure on campus, company is required to announce the final list of the students on the same day itself.



If a student is selected, the job is registered against him/her and he/she would not be allowed to appear for more interviews as per placement policy.