Indian Institute of Technology, Delhi

Economics Unit

Department of Humanities and Social Sciences

Placement Brochure 2022-23

The Economics Unit

The Economics Unit of IIT Delhi has nestled within the Humanities and Social Sciences department. It has a renowned faculty actively engaged in research covering Mechanism Design, Health Economics, Labor Economics, Applied Econometrics, Development Economics, and Structural Change. The unit has an established legacy for training exemplary scholars through its PhD program.

Heeding the gap between traditional Economic education and modern Economics, the unit conceptualized a research-based Masters program that emphasizes quantitative techniques with empirical application and aims to teach analytical competence to its students. It is a two-year full-time Master of Science program spread over four semesters that offers students a choice of four specializations:

1) Microeconomics 2) Macroeconomics
3) Quantitative Economics 4) Development Economics

The dynamic curriculum and opportunity 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.

Faculty Coordinators

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

Nucleus PG Coordinator

Siddharth Gupta
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Program Highlights

Inter-Disciplinary Courses:

The curriculum at IITD encourages students to partake in inter-disciplinary courses from other departments of the institute for a holistic learning experience. Some popular courses and skills students acquire include Business Intelligence, Data Mining, Causal Inference and Impact Assessment and Mathematical Modelling of Credit Risk.
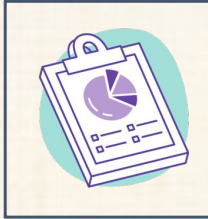
Empirical Training

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 trains students in Python, Stata, and R to acquaint them with the world of Data Science.

Advanced Econometrics & Time-Series Analysis

The course trains students in modern econometric tools, focusing on mathematical rigor and practical skills to analyze real-world data. Students are required to undertake multiple projects to be adept at analysis and are encouraged to participate in research
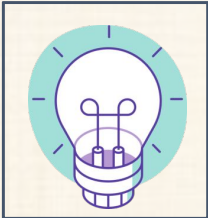
Development Economics

Designed to cultivate future policymakers, the course equips students with the theoretical knowledge to tackle pressing challenges developing nations face. Students are required to critically evaluate research papers to excel in the course.

Roles we fit in

- Data Analytics
- Risk Analytics
- Marketing Analytics
- Data Science

- Consulting
- Market Research
- Quantitative Research

- Investment Banking
- Credit Risk management
- Market Risk management

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
- Multivariate Statistics
- Labor Economics
- Health Economics

Electives

- Business Intelligence
- Causal Inference and Impact Assessment
- Mathematical Modeling of Credit Risk
- Optimal Control Theory
- Computer Programming
- Social Computing
- Rural Development
- Stochastic Control and Reinforcement Learning
- Operations Research
- Management Accounting
- Principles of Artificial Intelligence

Faculty Profiles – Economics

Ankush Agrawal
Research Areas :

Ph.D. IGIDR, Mumbai
India's official statistics, Applied Econometrics,
Development Economics

Saptarshi Mukherjee
Research Areas:

Ph.D., Quantitative Economics, ISI Delhi
Mechanism design, Social choice, Game theory,
Bounded rationality theory.

Debasis Mondal
Research Areas:

Ph.D., Economics, ISI, Kolkata
Macroeconomics, International economics and Public
economics

Sisir Debnath
Research Areas:

Ph.D., Economics, University of Virginia, 2013
Development Economics, Applied Microeconomics,
Health Economics

Jayan Jose Thomas
Research Areas:

PhD in Development Economics, IGIDR, Mumbai
Labor, industrialization and the macroeconomy

Sourabh B Paul
Research Areas:

Ph.D., Economics, University of British Columbia
Trade and Development, Applied Econometrics,
Labour Economics, Health and Nutrition

Reetika Khera
Research Areas :

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

Rohit Kumar
Research Areas:

Ph.D., Economics, Toulouse School of Economics
Econometrics, Empirical IO, Machine learning.

Abhijit Banerjee
 Research Areas :

Ph.D., Economics, Yale University, U.S.A.
Applied Micro and Game Theory, topics in
Agricultural, Resource, Experimental and Behavioral
economics.