ECONOMIC SCIENCES

With an ever-increasing emphasis on a technology-driven economy, interdisciplinary economic research has become the key to global economic prosperity. IIT Kanpur’s Department of Economic Sciences – the first among all IITs – is a pioneer in economic research, teaching and outreach activities. With its rigorously trained and proficient faculty, the department is fast emerging as a prominent center for economic research in India.
POST-GRADUATE PROGRAMMES OFFERED

Ph. D. Programme Course Structure:
- Five-years programme, with a set of courses and high quality research opportunities.
- Two-semester coursework, followed by a comprehensive examination.

COURSES

The two-semester Ph. D. coursework will consist of compulsory courses in the following fields:
- Advanced Microeconomics
- Advanced Macroeconomics
- Econometrics
- Quantitative Methods

Moreover, the students will be asked to choose a set of elective courses. In recent years, the following elective courses have been offered:
- Applied Econometrics
- Bayesian Data Analysis
- Bayesian Econometrics
- Contract Theory
- Development Economics
- Efficiency and Productivity Analysis
- Financial Econometrics
- Foundation of Finance
- Game Theory
- Industrial Organization and Policy
- Labour Economics
- Law and Economics
- Mathematical Analysis for Economics
- Monetary Economics
- Program Evaluation: Methods and Applications
- Quantitative Analysis of International Trade
- Topics in Economic Growth

LABS/FACILITIES

- Dedicated Economics Lab, equipped with desktops, for the use of PhD students.
FACULTY LIST

• **Vimal Kumar;** (Ph. D., University of California, Irvine, U. S. A.)  
  *Professor and Head of the Department*  
  Research Interests: Economics of Conflict, Microeconomic Theory, Political Economics, Economic Growth and Technological Development, and Game Theory.

• **Joydeep Dutta;** (Ph. D., I. I. T. Kharagpur, India)  
  *Professor*  
  Research Interests: Optimization Theory.

• **Praveen Kulshreshtha;** (Ph. D., Cornell University, U. S. A.)  
  *Professor*  
  Research Interests: Microeconomics, Industrial Economics, Economics of Corruption and Business Ethics.

• **Somesh K. Mathur;** (Ph. D., Jawaharlal Nehru University, India)  
  *Professor*  
  Research Interests: Efficiency and Productivity Analysis, New Trade and Growth Theories, and WTO Issues such as TRIPS and IT policy.

• **P. Murali Prasad;** (Ph. D., University of Hyderabad, India)  
  *Professor*  
  Research Interests: Microeconomics, Law and Economics, and Environmental Economics.

• **Sarani Saha;** (Ph. D., University of California, Santa Barbara, U. S. A.)  
  *Professor*  

• **Sohini Sahu;** (Ph. D., State University of New York at Albany, U. S. A.)  
  *Associate Professor*  
  Research Interests: Macroeconomics.

• **Mohammad Arshad Rahman;** (Ph. D., University of California, Irvine, U. S. A.)  
  *Associate Professor*  
  Research Interests: Bayesian Econometrics, Econometrics and Applied Econometrics.

• **Deep Mukherjee;** (Ph. D., University of Connecticut, U. S. A.)  
  *Associate Professor*  
  Research Interests: Agricultural Economics, Environmental Economics, Efficiency and Productivity Analysis, and Public Policy.

• **Debayan Pakrashi;** (Ph. D., University of Queensland, Australia)  
  *Associate Professor*  

• **Wasim Ahmad;** (Ph. D., University of Delhi, India)  
  *Associate Professor*  

• **Sukumar Vellakkal;** (Ph. D., ISEC Bangalore, India)  
  *Assistant Professor*  
  Research Interests: Public policy and the impact evaluation techniques; Large data analysis and the applied econometrics; Macroeconomics and health.
FACULTY LIST

• **Thirumulanathan D;** (Ph. D., Indian Institute of Science, Bangalore, India)
  Assistant Professor
  Research Interests: Game Theory, Optimization, and Wireless Communications.

• **Sounak Thakur;** (Ph. D., Washington University, St. Louis, U.S.A.)
  Assistant Professor
  Research Interests: Family and Labour Economics.

• **Bikramaditya Datta;** (Ph. D., Columbia University, U. S. A.)
  Assistant Professor
  Research Interests: Finance.

• **Hargunjeet Singh;** (Ph. D., New York University, U.S.A.)
  Assistant Professor
  Research Interests: Microeconomic Theory and Corporate Finance

• **Vasudha Jain;** (Ph. D., University of Texas at Austin, Texas, U. S. A.)
  Assistant Professor
  Research Interests: Economics of Information, Game Theory, Microeconomic Theory

• **Anand Chopra;** (Ph. D., British Columbia University, Canada)
  Assistant Professor
  Research Interests: Household Finance and International Macroeconomics.

• **Aditya Vikram;** (Ph. D., Indian Statistical Institute - Delhi)
  Assistant Professor
  Research Interests: Mechanism design, Auction theory.

• **Mahamitra Das;** (Ph. D., Indian Statistical Institute - Kolkata)
  Assistant Professor
  Research Interests: Applied Time Series Econometrics, Real Estate Economics.

• **Raghvi Garg;** (Ph. D., Ashoka University)
  Assistant Professor
  Research Interests: Choice Theory, Decision Theory, Behavioral Economics, Experimental Economics.

• **Neelanjan Datta;** (Ph. D., Cornell University)
  Assistant Professor
  Research Interests: Public Finance, Political Economy, Macro-Development.

• **Srinivas Arigapudi;** (Ph. D., University of Wisconsin - Madison)
  Assistant Professor
  Research Interests: Evolutionary Game Theory, Agent-Based Simulations.

• **Anna Thottappilly;** (Ph. D., Cornell University)
  Assistant Professor
  Research Interests: Agricultural economics, climate change, nutrition.

• **Sujaya Sircar;** (Ph. D., Indian Statistical Institute - Delhi)
  Assistant Professor

• **Sanjiv Kumar;** (Ph. D., IIT Hyderabad)
  Assistant Professor
  Research Interests: Open economy, Macroeconomics, Macroprudential policy.
BROAD RESEARCH AREAS

- Economics of Conflict, Microeconomic Theory, Political Economics, Economic Growth and Technological Development, and Game Theory.
- Money – Macro and Industrial Economics.
- Optimization Theory.
- Microeconomics, Industrial Economics, Economics of Corruption and Business Ethics.
- Efficiency and Productivity Analysis, New Trade and Growth Theories, and WTO Issues such as TRIPS and IT policy.
- Microeconomics, Law and Economics, and Environmental Economics.
- Macroeconomics.
- Bayesian Econometrics, Econometrics and Applied Econometrics.
- Agricultural Economics, Environmental Economics, Efficiency and Productivity Analysis, and Public Policy.
- Public policy and the impact evaluation techniques; Large data analysis and the applied econometrics; Macroeconomics and health.
- Game Theory, Optimization, and Wireless Communications.
- Family and Labour Economics.
- Finance.
- Microeconomic Theory and Corporate Finance
- Economics of Information, Game Theory, Microeconomic Theory
- Household Finance and International Macroeconomics.
ECONOMIC SCIENCES DEPARTMENT

CONTACT

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