



भारतीय प्रौद्योगिकी संस्थान कानपुर
Indian Institute of Technology Kanpur

DEPARTMENT OF MANAGEMENT SCIENCES

POST GRADUATE PROGRAM

Website: www.iitk.ac.in/doms/



Department of Management Sciences

Leading the vision of interdisciplinary research, in 1974, the Indian Institute of Technology Kanpur laid the foundation of the interdisciplinary program in industrial engineering and management. Being the first of its kind, in 1988, the interdisciplinary program was set up as a full-fledged department known as Industrial and Management Engineering (IME) and was rechristened as the Department of Management Sciences (DoMS) in 2023. With the mission to research cutting-edge interdisciplinary areas of management and engineering, the department offers postgraduate programs, including Ph.D., M.Tech., and MBA. Of late, the department also started a series of online degree programs (called eMasters) for working executives. Fostering innovations, entrepreneurship, and intellectual assets, the department provides research and academic environment to the graduate students to conduct their research work. Students at the DoMS get to explore diverse fields like quantitative and statistical modeling, multi-criteria decision making, operations research and management, finance, economics, marketing, data analytics, public strategy, organization behaviour and human resource management, infrastructure and regulatory issues, industrial internet of things (IoT), intellectual property management, entrepreneurship research, knowledge management, and so on. To strengthen its ties with industry, the department has setup Energy Analytics Lab, which offers students an opportunity to study the dynamics of daily electricity consumption and transmission at the state level. The DoMS research labs also focus on conducting experimental studies in operations, finance, economics, IoT, machine learning, and AI to study real life organizational problems and crack them. The department subscribes to all major academic research journals published by Informs, Elsevier, Springer, Wiley, Taylor & Francis, etc. Several academic databases, such as the CMIE databases, EPWRF, Proquest Dissertation & Thesis, etc., are also available.



POST-GRADUATE PROGRAMMES OFFERED

- ❖ PhD
- ❖ MTech
- ❖ MBA
- ❖ eMasters
- ❖ VLFM

LABS/FACILITIES

- ❖ Energy Analytics Lab
- ❖ Centre for Energy Regulation
- ❖ System optimization laboratory



FACULTY LIST

- Abhinava Tripathi, PhD (IIM Lucknow, India): Financial Markets, Market microstructure, Liquidity, Market Efficiency, Banking, Corporate Banking, Credit risk management in Banking, Project Finance, Investment Management, Derivatives, Security Analysis and Portfolio Management, Corporate Finance, Financial Management, Corporate Valuation and Restructuring, R programming: Quantitative applications in Finance with R, Accounting, Financial Accounting, Management Accounting.
- Amit Shukla, FPM (IIM Lucknow, India): Organizational Behavior, Human Resource Management, Positive OB, Academic Excellence.
- Anoop Singh, PhD (IGIDR Mumbai, India): Power Sector Regulation & Policy, Infrastructure Project Financing, Energy & Environment, Managerial Economics, Energy Economics & Policy Modelling.
- Avijit Khanra, FPM (IIM Ahmedabad, India): Production Planning, Inventory Control, Supply Chain and Logistics, Scheduling, Analysis of Queues, Mathematical Modelling and Optimization.
- B.V. Phani, FPM (IIM Calcutta, India): Entrepreneurship, Accounting and Finance, Financial Governance.
- Deepu Philip, PhD (MSU Bozeman, USA): Operations Management, Decision Sciences, System Simulation, Systems Engineering, Defense Systems.
- Devlina Chatterjee, PhD (IISc Bangalore, India): Empirical Finance, Insurance Economics, Tourism Economics, Consumer Finance, Consumer Behavior.
- Faiz Hamid, FPM (IIM Lucknow, India): Combinatorial Optimization, Network Optimization, Fuzzy Logic, Data Mining, Recommender Systems.
- Harshal Rajan Mulay, PhD (IIM Calcutta, India): Law and Finance, Culture and Finance, Creditor Rights, Banking, Corporate Finance.
- Jitender Kumar, PhD (IIT Roorkee, India): Brand Management, Customer Engagement, Brand Values, Congruity theories, Consumer Psychological Dispositions, Brand Communities.
- Jothsna Rajan, PhD (IIM Bangalore, India): Public Policy, Public Administration, Policy and Institution building, Policy Evaluation.
- Mousami Prasad PhD (IIT Bombay, India): Energy and Climate Change Economics; Energy Transition; Energy Policy; Industrial decarbonisation (Green Steel; Green Hydrogen).
- Nivedita Bhaktha, PhD (The Ohio State University, USA): Psychometrics, Data Quality Assessment, Multivariate Analysis, Latent Variable Modeling, Categorical Data Analysis, Simulation Studies, Data Visualization, Survey Research, Research Methods.
- Prerna Gautam, PhD (University of Delhi, India): Inventory Management, Supply Chain Management, and Service Operations Management.
- R.N.Sengupta, FPM (IIM Calcutta, India): Statistical Analysis, Risk Management, Quantitative Decision Techniques, Optimization, Metaheuristics Techniques.
- Rahul Varman, FPM (IIM Ahmedabad, India): Personnel Management and Industrial Relations, Organizational Theory and Social, Political, Legal issues in Business.

FACULTY LIST

- S.C. Misra, PhD (Carleton University, Canada): Business Process Management, Project Management, Supply Chain Management, Quality Management, Enterprise Resource Planning (ERP), Business Analytics/Data Analysis, E-Governance, and Information Systems.
- Sourav Majumdar, PhD (IIM Ahmedabad, India): Circular Statistics, Quantitative Finance, Topological Data Analysis.
- Sourya Joyee De, FPM (IIM Calcutta, India): Privacy, Data Protection, Cyber-Security.
- Shankar Prawesh, PhD (University of South Florida, USA): Social Media, Recommender Systems, Digital Marketing, and Agent Based Modelling.
- Sri Vanamalla V, PhD (IISc Bangalore, India): Applied Operations Research, Optimization and Game Theory.
- Subhankar Mukherjee, FPM (IIM Calcutta, India): Development Economics, Applied Microeconomics.
- Suman Saurabh, FPM (IIM Ahmedabad, India): Corporate Finance, Financial Derivatives, Mergers and Acquisition, Behavioral Finance.
- Suvendu Naskar, PhD (IIM Calcutta, India): Information Technology, Emerging Technologies, Supply Chain Management, SC Finance, Social and Organisational impact of IT.
- V. Giridhar, PhD (IIM Shillong, India): Consumer Culture Theory, Consumer Behaviour, Retail Management.
- Veena Bansal, PhD (IIT Kanpur, India): Information Technology and Management, ERP systems, E-Commerce.
- Vinay Ramani, PhD (University at Buffalo, USA): Economics-Operations Management Interface; Industrial Organization; Pricing Strategy.
- Vipin B, PhD (IIT Madras, India): Decision Theory, Inventory Theory, and Supply Chain Management.

BROAD RESEARCH AREAS

- Industrial and Systems Engineering, Operations Research
- Operation Management, Supply Chain management
- Information Systems, Data analytics
- Financial Management, Quantitative Finance
- Applied Economics, Game Theory, Energy Economics
- Public Policy Design & Evaluation
- Organizational Behaviour, Human Resource Management
- Marketing Management
- Strategy & Entrepreneurship





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