



DEPARTMENT OF MANAGEMENT SCIENCES

IIT KANPUR

M. TECH. 2023

PLACEMENT BROCHURE

ABOUT US

WE ARE THE FLAGSHIP PROGRAM OF DOMS.

Founded in 1974, the Department of Management Sciences (DoMS, formerly IME) at IIT Kanpur stood as one of the early proponents in the country to acknowledge the synergy between engineering training and management education.

At DoMS, the curriculum is well-structured framework, supplemented by a year-long thesis project, imparts an in-depth understanding of fundamental concepts. Practical exposure is facilitated through summer internships, affording students the opportunity to engage in hands-on project work within industrial settings.

The program places a primary emphasis on nurturing proficiency in the domains of Data Science, Analytics and Operations. Encompassing a diverse range of subjects from both engineering and management perspectives, the curriculum covers a wide spectrum. Topics such as Statistical Modelling, Supply Chain Management, as well as the Application of Optimization Techniques and Business Intelligence Tools in areas including economics, finance, marketing, and IT, constitute integral facets of the students' comprehensive learning journey.



INFRASTRUCTURE

IIT Kanpur boasts world-class infrastructure facilities. The department has been endowed with enviable computational facilities. In addition, the department is equipped with the latest tools and systems used in the industries for the students to obtain hands-on experience. Having some of the most complicated software, like product life cycle management, simulation, statistical analysis, financial modeling, process design, and control, etc., in the well-equipped laboratories allow the students to learn the vital skills enabling them to succeed in the future; both in industry and academia.

Department of Management Sciences has the following labs

- Energy Analytics Lab
- Smart Systems and Operations Lab
- Product Lifecycle Management Lab
- Management Computing Lab
- Virtual Lab- Production Shop Simulation
- Lab of MHRD
- Management Simulation Lab
- Departmental Library



ACTIVITIES

TECHNOLOGIES DEVELOPED

- Train Running and Loco Performance Simulation Software (RDSO & BHEL)
- TrackSafe: Decision Support System to Enhance Safety of Railway Track WorkersISTP-GITA

RESEARCH AND DEVELOPMENT

- Sponsored projects (in 5 yrs) worth 350 Million INR
- Total papers published: 65

EVENTS/ CONFERENCES/ WORKSHOPS

- IME Doctoral Colloquium 2018
- VIBGYOR - Monthly Webinar.
- GIAN Courses- Multi-objective Optimization Using Metaheuristic
- Data Analytics For Operations Research •
- Industrial visits
- Weekly Industrial and Academic seminars on Analytics, Operations, and Finance from recognized speakers.
- Prabandhan - National-level Management Festival

EXTRA-CURRICULAR ACTIVITIES

- DoMS students actively participate in Student's Senate, Counseling Service Team & Overall Coordinators, Hall Executive Committee, and Entrepreneurship Cell Executives.
- They also participate in Annual Cultural and Tech Fest- Antaragni and Techkriti.
- We have students who excelled in the field of sports.



FROM HEAD OF DEPARTMENT



Greetings from the Department of Management Sciences at IIT Kanpur! Since 1974, we've been a driving force in **Data and Analytics, Management Sciences, Operations Research**, and more. Our holistic Ph.D., M.Tech, and MBA programs foster complete techno-managers equipped to excel in complex business environments. With a diverse student body, our vibrant learning environment sparks innovative ideas.

Our alumni hold esteemed positions in IITs, IIMs, and companies like **Amazon and McKinsey**. Dedicated faculty, renowned for research and teaching, have garnered prestigious awards. Industry collaborations include Indian Railways and IOCL. With an updated curriculum and industry engagement, we're dedicated to upholding IIT Kanpur's legacy of excellence.

**Dr. B. V. Phani,
Head, Department of Management Sciences (DoMS)**

Building Blocks of DoMS

CURRICULUM

ACADEMIC COURSES

Analytics

- Probability And Statistics
- Applied Machine Learning
- Statistical Modeling For Business Analytics
- Time Series Modelling For Business Analytics
- Causal Inference for Business Analytics
- Advanced Statistical Methods For Business Analytics
- Data Mining And Knowledge Discovery
- Big Data For Management
- Marketing Research
- Introduction To Stochastic Processes
- Economic Analysis For Management
- Introduction To Game Theory Computing
- Introduction To Computing
- Computer-Aided Decision Support Systems

Operations

- Operations Research
- Operations Management
- Advanced Decision Models
- Supply Chain Management
- Design Of Production Systems
- Total Quality Management
- Project Management
- Management Decision Analysis
- Analytics in Transport and Telecom

Finance & management

- Financial Engineering
- Financial Modelling
- Simulation And Optimization
- Human Resources Management
- Business Process Management
- Business Management Using Cloud
- Software Project Management

SUMMER INTERNSHIPS

The two-year MTech program requires students to do a compulsory summer internship at the end of the first year between May and July for two to three months. To cater to the growing industry demand, most students undergo internships in the fields of Data Science, Business Analytics, Marketing, Supply Chain, Finance, and Operations.

THESIS

One year-long thesis work aims to provide more profound knowledge in the field of interest. This thesis covers exhaustive areas of & Management Science such as Market Basket Analysis, NLP, Big Data Analytics, Financial Analytics, Optimization, ERP, Heuristic Development, Simulation of Business Systems, and SCM.

INTERNSHIP STATISTICS 2022-2024

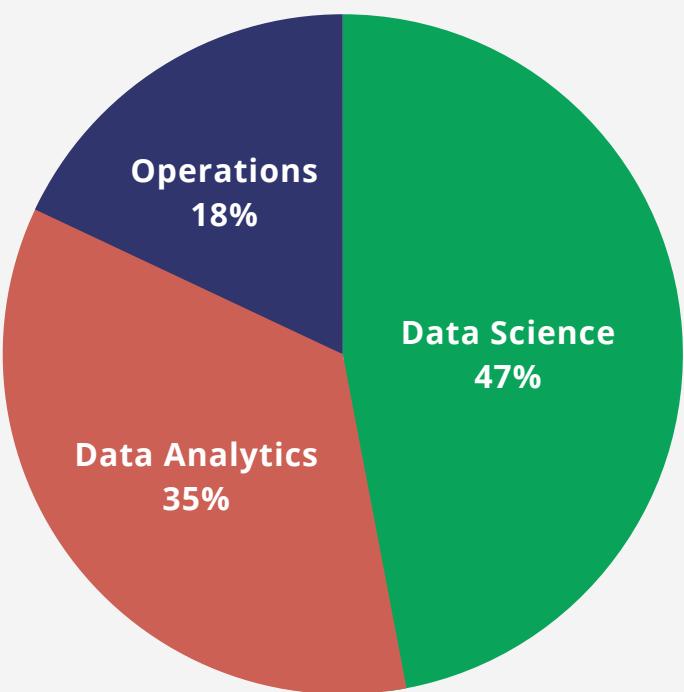
Welcome to the Vibrant Class of 2022-24: Our batch comprises a diverse group of young, energetic, and dynamic candidates hailing from various engineering streams.

A Touch of Professionalism: Notably, several students in this batch bring valuable prior work experience from diverse industries, enriching the learning environment with their unique insights.

MTech Excellence: The students of the DoMS MTech program were presented with exciting internship opportunities across a spectrum of domains, enhancing their practical exposure and knowledge.

PROFILES OFFERED

Data Analytics 35%
Data Science 47%
Operations 18%

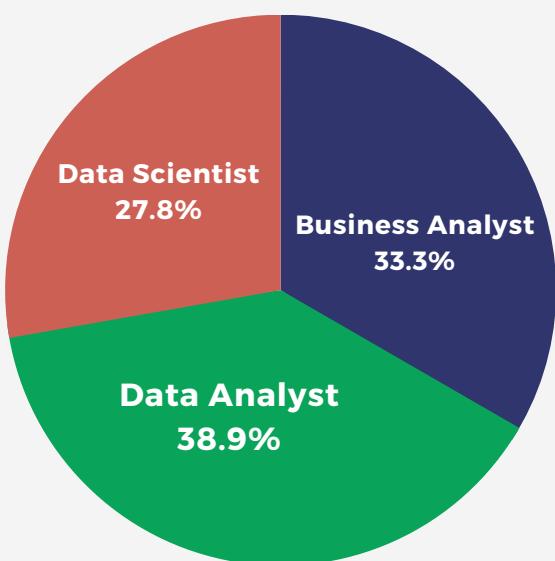


PLACEMENT STATISTICS

Experience Excellence in Placements! Our dynamic batches of 2020-22 and 2021-23, composed of energetic and diverse candidates from various engineering streams, have set a high standard.

Our MTech Department of Management Sciences (DoMS) graduates have secured various roles tailored to their individual passions. Witness how our accomplished seniors continue to bring pride to the department.

PROFILES OFFERED



KEY HIGHLIGHTS

Highest CTC increment

26%

42%

Top 30% CTC increment

28%

Average CTC increment

CLASS OF 2022

Students registered	18
Students placed	100%
Highest CTC	21.5 LPA
Top 30% CTC	16.17 LPA
Median CTC	12.5 LPA
Average CTC	13.2 LPA

CLASS OF 2023

Students registered	18
Students placed	100%
Highest CTC	27 LPA
Top 30% CTC	23 LPA
Median CTC	15.38 LPA
Average CTC	16.9 LPA

BATCH PROFILE 22-24



AASHISH SHAH

Energy Analytics Lab, IIT Kanpur,
Data Analysis

ADITYA KUMAR YADAV

ClimAgro Analytics,
Data Science



AKBAR AFSAR KHAN

Sabri Garments, Operation Management,
Accenture, 16 months

CHINMAY TEWARI

i3digital health
Data Analytics



**AVENDRA SINGH
CHANDRAWACAR**

Blu ocean innovation,
Data analyst

HEMANT KUMAR

AXTRIA,
Data Analytics
(Life Sciences)



HIMANSHU GAUR

Sarda Group,
Data Science

JITENDRA KUMAR

Data Visualization
(Data Science)



MOHD JUNED KHAN

Mphasis,
Data Science

NEERAJ BAPNA

ClimAgro analytics,
Data Science



Format

FULL NAME, Internship:Organization (Domain), Work Experience:Organization (Duration)



Leaders of Tomorrow

BATCH PROFILE 22-24



PARTH AHUJA

Axtria, Data Analytics,
Hindustan Zinc, 1 Year



PRATHAMESH PAWAR

AlgoAnalytics Pvt Ltd,
Data science



PRATIK SHAH

Mphasis, Data Science,
Faurecia, 5 years



ROHIT PIDURKAR

ClimAgro Analytics,
Data science



SANKET BORGHARE

Sarda Group,
Operations



SHANKAR PAL

Sarda Group,
Data Science



SHUBHAM

Sarda Group,
Operations

Format

FULL NAME, Internship:Organization (Domain), Work Experience:Organization (Duration)

Leaders of Tomorrow

OUR PROMINENT ALUMNI



ASHWINI VAISHNAW

Minister of Railways,
Communications and
Electronics &
Information GOI



SHARAT SINHA

President,
Asia-Pacific & Japan
CHECK POINT SOFTWARES



SHOBHIT SHROTYA

Managing Director - Life
Sciences R&D Operations
ACCENTURE



SHYAM BHASKAR

Supply Chain Consulting
Practice Leader
TATA CONSULTANCY
SERVICES



MANISH GUPTA

Director – Consumption
Excellence
MICROSOFT

K. KRITHIVASAN

Chief Executive Officer
TATA CONSULTANCY
SERVICES



ABIR MUKHERJEE

Director US Personal
Banking Strategic
Analytics Head
CITI Bank



ANJALI AWASTHI

Professor and
Concordia University
Research Chair



MUKUL SRIVASTAVA

President
CG POWER & INDUSTRIAL



POOJA JOSHI

Staff Vice President - Data
Analytics & Reporting
Elevance Health



Format

FULL NAME, Designation, Organization

50+ years of legacy in creating
WORLD CLASS LEADERS

OUR PASSIONATE FACULTY

B.V. PHANI (Head)

Fellow in Management (IIM C)
Financial Management Valuation &
Real options

Sri VANAMALLA V

Ph. D. (IISc. Bangalore)
Optimization and Game
Theory Applied Operations
Research

AMIT SHUKLA

Fellow in Management (IIM L)
Emerging Employment Relationship
Citizenship Behaviour

AVIJIT KHANRA

Fellow in Management (IIM A)
Operations Management
Operations Research

DEEPU PHILIP

Ph.D.(MSU Bozeman) Decision
Support Systems AI based
searches

DEVLINA CHATTERJEE

Ph. D. (IISc. Bangalore) Managerial
Economics Applied Econometric

ANOOP SINGH

Fellow in Management (IGIDR
Mumbai)
Energy and Environment
Microeconomics

FAIZ HAMID

Fellow in Management(IIM L)
Combinatorial Optimization
Network Optimization

JITENDRA KUMAR

Ph.D.(IIT Roorkee) Consumer
Psychology Brand
Management

JOTHSNA RAJAN

PhD (IIM Bangalore) Public
Administration Policy
Evaluation

SHANKAR PRAWESH

Ph. D. (University of South Florida)
Big Data, Recommender Systems
Social Media Analytics

SUBHANKAR MUKHRJEE

Ph.D. (IIM Calcutta) Development
Economics Applied
Microeconomics

SUMAN SAURABH

PhD (IIM Ahmedabad)
Corporate Finance, Payout Policy
Investments, Derivative Pricing

R. R. K. SHARMA

Fellow in Management (IIM A)
Quantitative Methods
Manufacturing Policy

VIPIN B.

Ph.D. (IIT Madras)
Decision Theory, Inventory Theory
and Supply Chain Management

VINAY RAMANI

Ph. D. (University at Buffalo)
Industrial Organization
Pricing Strategy

RAGHU NANDAN SENGUPTA

Fellow in Management (IIM Calcutta)
Data Envelopment Analysis (DEA)
Statistical Inference Problems

RAHUL VARMAN

Fellow in Management (IIMA)
Personnel Management & Industrial
Relations, Organizational
Behaviour.

VEENA BANSAL

Ph. D. (IIT Kanpur)
Software Project Management Data
Science, ERP

SUBHASH CHANDRA MISRA

Ph. D. (Carleton University)
Enterprise Resource Planning (ERP)
Business Process Management

V GIRIDHAR

PhD (IIM Shillong)
Subaltern Consumer Culture,
Consumer Behaviour, Retail
Management

SUVENDU NASKAR

Ph.D. (IIM Calcutta)
Information Technology, Emerging
Technologies, Supply Chain
Management, SC Finance,

HARHAL RAJAN MULAY

Ph.D (IIM Calcutta)
Law and Finance, Culture and
Finance, Creditor Rights, Banking,
Corporate Finance

PRERNA GAUTAM

Ph.D (University of Delhi)
Operational Research, Optimization,
Sustainability, Waste Management,
Service Operations Management.

ABHINAVA TRIPATHI

Ph.D (IIM Lucknow)
Finance Market, Market efficiency,
Corporate Banking, Portfolio
Management, Financial
Accounting

MOUSAMI PRASAD

Ph.D (IIT Bombay)Energy and Climate
Change Economics; Energy
Transition;Energy Policy; Industrial
decarbonisationur.

Format

FULL NAME, Qualification, Research Areas

Building Blocks of DoMS

OUR PAST RECRUITERS

McKinsey
& Company



Goldman
Sachs



Deloitte.



EXL

Flipkart



ICICI Lombard
Nihaya Vaade

Cognizant

Mphasis
The Next Applied

TRIDENT GROUP™



GE Capital



NORTHERN
TRUST



Walmart



HDFC
Life
Sarutha ke jiy!

CapitalOne

accenture

CORECOMPETE
DELIVERING VALUE FROM BIG DATA

ORACLE

JPMORGAN
CHASE & CO.



TCS
TATA
CONSULTANCY
SERVICES

HCL



AO opporchid
Enterprise AI



OUR TEAM

PLACEMENT FACULTY COORDINATOR



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DEPARTMENT PLACEMENT COORDINATOR



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SENIOR PLACEMENT COORDINATORS



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