DEPARTMENT OF
MANAGEMENT SCIENCES

IIT KANPUR

M. TECH. 2023

PLACEMENT REPORT

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.

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.
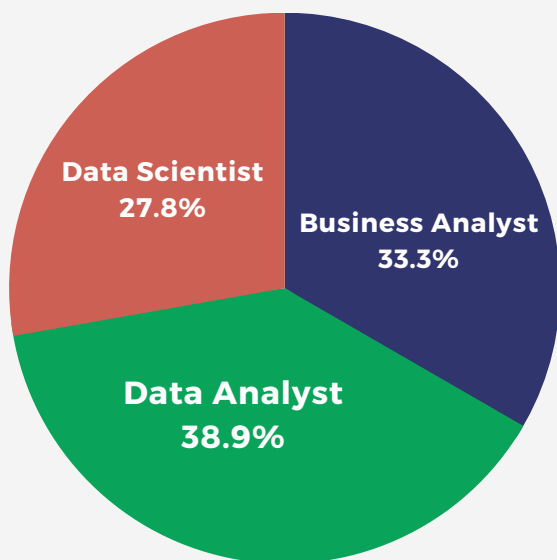
THESIS

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.

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 2023

Data Scientist 27.8%
Business Analyst 33.3%
Data Analyst 38.9%

KEY HIGHLIGHTS

Highest CTC increment **26%**

42% Top 30% CTC increment

Average CTC increment **28%**

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

OUR PAST RECRUITERS

Company	Role
AXTRIA — INGENIOUS INSIGHTS	Data Analyst
BARCLAYS	Business Analyst
citibank	Business Analyst
accenture	Data Scientist
Mphasis — The Next Applied	Lead Data Scientist
TRIDENTGROUP — Being different is normal	Data Scientist
HSBC	GAC Analyst
Statkraft	Data Scientist
apporchid — Enterprise AI	Data Scientist
TRANSORG ANALYTICS	Data Analyst

OUR TEAM

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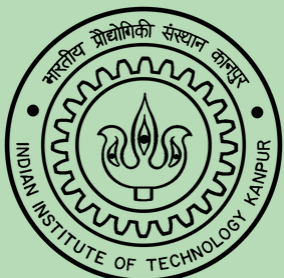Mail: pratik22@iitk.ac.in
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