



BROCHURE

MTECH IME, IIT KANPUR

DEPARTMENT OF INDUSTRIAL & MANAGEMENT ENGINEERING

ABOUT US

Set up in 1974, the Department of Industrial and Management Engineering (DIME) at IIT Kanpur is one of the first in the country to recognize the strength of combining the training of engineers with management education. The class is a heterogeneous mix of engineers from diverse fields that naturally enriches the learning environment, turning it into a fountainhead of vibrant ideas.

The MTech program is the flagship program of DIME. It is one of the oldest to introduce industrial engineering in India. The program provides a perfect blend of industrial engineering and management science to its students. The well-defined structure of course work and a year-long thesis work provides in-depth knowledge of concepts to students. The intervening summer internships are used for practical project work in industries.

The program focuses on developing expertise in Analytics and Operations fields. It covers diverse topics from both the management and engineering paradigms. Statistical Modelling, Improvement of Productivity, Quality and Profitability in the Manufacturing sector, Supply Chain Management and Application of Optimization Techniques and Business Intelligence Tools in economics, finance, marketing and IT are some of the areas to which students are exposed.

Our History

FACILITIES

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 allowing them to succeed in future; both in industry and academia.

The IME department 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



Departmental Facilities

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

- Students of IME have active participation 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.

Departmental Activities

CURRICULUM

ACADEMIC COURSES & PROJECTS

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

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

SUMMER INTERNSHIP

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

THESIS

One year-long thesis work is aimed at providing means to get deeper knowledge in the field of interest. This thesis covers exhaustive areas of Analytics, Industrial Engineering & Management Science such as Market Basket Analysis, NLP, Big Data Analytics, Financial Analytics, Optimization, ERP, Heuristic Development, Simulation of Business Systems, and SCM

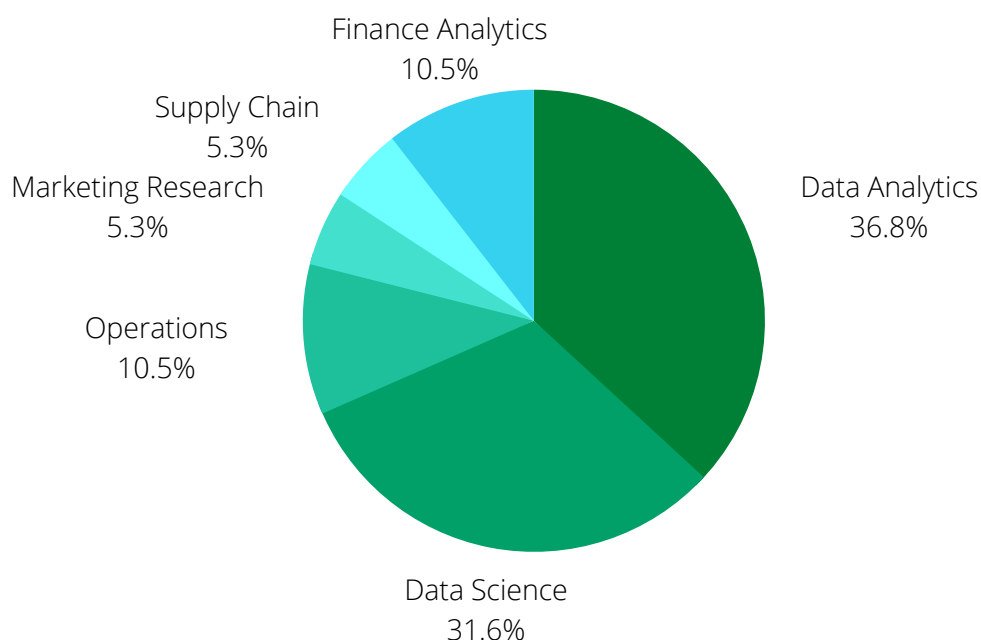
INTERNSHIP STATISTICS

- The Batch of 2021-23 has young energetic and dynamic candidates from different streams of engineering.
- A few students of the batch also had prior work experience in different industries.
- The students of MTech, IME Department were offered Internships in various domains.

CLASS OF 2023

Students Registered	19
Students Placed	100%
Highest Stipend	75k/month
Top 50% Stipend	50k/month
Median Stipend	40k/month

Profiles Offered



Class of 2023

INTERNSHIP

PLACEMENT STATISTICS

- The Batch of 2019-21 and 2020-22 had young energetic and dynamic candidates from different streams of engineering.
- A few students of the batch also had prior work experience in different industries.
- The students of MTech, IME Department were offered various roles and profiles based on their chosen area of interest

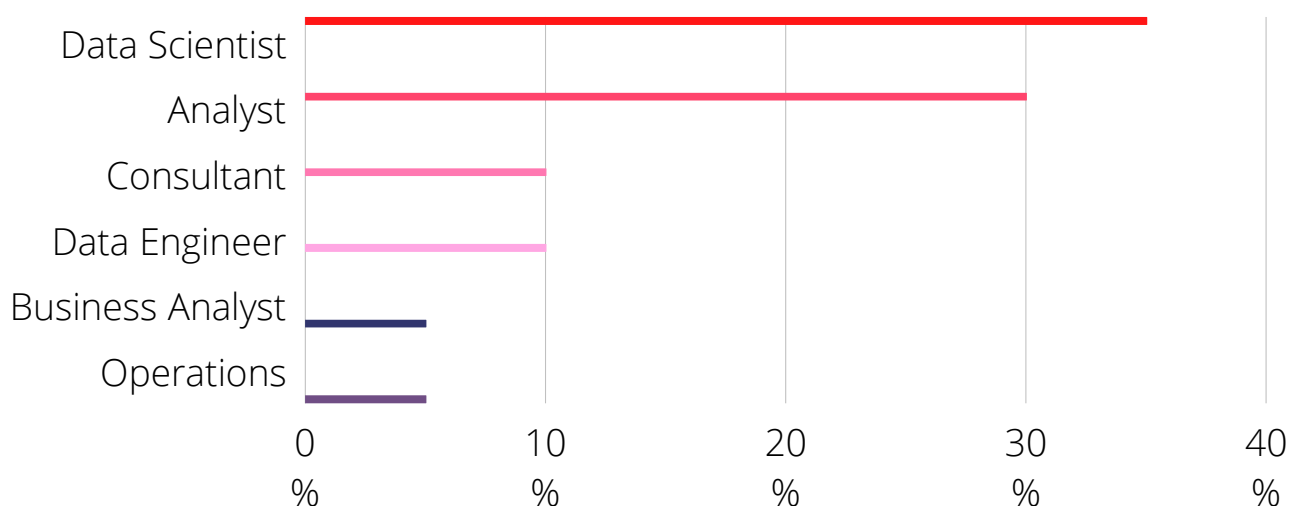
CLASS OF 2021

Students registered	16
Students placed	100%
Highest CTC	13.5 LPA
Top 30% CTC	11.4 LPA
Median CTC	10.5 LPA

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

WHAT DOMAIN DO THEY WORK?



Class of 2021 & 2022
PLACEMENT

BATCH OF 2021-23



ANKITH B NAMBIAR

Axtria - Ingenious Insights
(Analytics)



DATTARAJ VAIDYA

Axtria -Ingenious Insights
(Analytics)



JAI WASON

Axtria - Ingenious Insights
(Analytics)
TATA AutoComp Systems
Limited (5 months)



PRATEEK GUPTA

Harvesting (Marketing
Research)



RAJAN S BANGAR

Mphasis (Data Science)



BHAVESH NEHETE

IBSFintech(Analytics)
Evelyn Learning Systems
(9 months)



DRUMIL BHALANI

Ecom Express (Data Science)



PRASHANT KUMAR

Trident(Operations)



PUSHKAR AWASTHI

Axtria - Ingenious Insights
(Analytics)



RAMNIVAS JAT

IBSFintech(Analytics)

Format

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

BATCH OF 2021-23

**RAVI TIWARI**

Mphasis (Data Science)
Digital Darpan (15 months)
BMD Pvt Ltd (7 months)

**ROHIT SANTRA**

Supra Oncology (Analytics)
Aarti Industries (4 months)

**SHIVAM SAINI**

Mphasis (Data Science)
L&T ECC (11 months)

**SINGH SANDEEP**

Mphasis (Data Science)

**YOGESH SINGH SHEKHAWAT**

Jaipur Rugs (Supply Chain)

REESHABH ANAND

Axtria - Ingenious Insights
(Analytics)
Tredence Analytics (5 months)

**SHIKHAR SRIVASTAVA**

Ecom Express (Operations)

**SHOBHIT TIWARI**

Harvesting (Data Science)

**VIKRAMA R**

Mphasis (Data Science)

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

SHOBHIT SHROTIYA

Vice President
ACCENTURE

**SHARAT SINHA**

Head, Asia-Pacific & Japan
CHECK POINT SOFTWARES

VIPUL AGARWAL

Vice President
CITI

**VISHWESH KHANDKAR**

Director of Pricing
ADVANCE AUTO PARTS

VISHNU POTTY

Director
BIO BASICS

**SHYAM BHASKAR**

SCP & Analytics CoE Lead HP
ENTERPRISE

MUKUL SRIVASTAVA

President
CG POWER & INDUSTRIAL

**MANISH GUPTA**

Director
MICROSOFT

VIKAS WADHWANI

Director, Workday Integrations
ALIGHT SOLUTIONS



Format

FULL NAME, Designation, Organization

48+

years of legacy in creating

WORLD-CLASS LEADERS

OUR PASSIONATE FACULTY



B.V. PHANI

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

ANOOP SINGH

Fellow in Management (IGIDR Mumbai)
Energy and Environment
Microeconomics



DEVLINA CHATTERERJEE

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

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



Format

FULL NAME, Qualification, Research Areas

OUR PASSIONATE FACULTY



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



SUMAN SAURABH

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

SUBHANKAR MUKHRJEE

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



SHANKAR PRAWESH

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

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 RAMAN
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.



Format

FULL NAME, Qualification, Research Areas

OUR PAST RECRUITERS



CONTACT US

Students' Placement Office

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Connect us through

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Visit us at

Official Websites: <https://spo.iitk.ac.in/>

<https://www.iitk.ac.in/ime>