



Sponsored and self-financed M.Tech programme in Industrial Engineering and Operations Research (IEOR) at IIT Bombay

Duration : 2-3 years, depending on pace of course work and project work.

For Professionals working in technical organizations or self-employed professionals to acquire specialized skills in the area of Industrial Engineering and Operations Research.

Candidates need to provide a letter of organizational support and get study leave for the duration of the programme.

Core courses :

Operations Management
Engineering Statistics
Probability & Stochastic Processes I
Mathematical Optimisation Techniques
Simulation Modeling & Analysis

Lab courses :

Modeling and Computation Lab
IEOR Lab

Technical Communication :

Communication Skills
Seminar

Electives (Partial List) :

IEOR for Health Care
Markov Decision Processes
Deep Learning: Theory and Practice
Online Machine Learning and Bandit Algorithms
Quantitative Models for Supply Chain Mgmt
Integer Programming: Theory and Computations
Decision Analysis and Game Theory
Topics in Learning Algorithms
Applications in Infrastructure & Service Sectors
Networks, Games and Algorithms
Advanced Stochastic Simulation
Convex Analysis

Year-long project - an important component of the programme. Can be taken up in collaboration with the organization sponsoring the candidate or independently.

Sponsoring Organizations : (partial list - recent)

John Deere
Larsen and Toubro
Bosch
Indian Navy
TCS

See <https://www.iitb.ac.in/newacadhome/mtech.jsp> for further details and contact office.ieor@iitb.ac.in for more information