IIT MANDI

PLACEMENT BROCHURE

M.Sc. Applied Mathematics

2025-26

Indian
Institute of
Technology
Mandi

About IIT Mandi

Indian Institute of Technology, Mandi is a premier public technical and research institute located in the Mandi district of Himachal Pradesh. It was established in 2009 and is recognized as an Institute of National Importance under the Institutes of Technology (Amendment) Act passed by the Indian Parliament in 2012. It imparts to its students a world-class education, a plethora of opportunities to pursue and excel in all kinds of fields and research, and an extraordinary campus life to cherish forever. It's a prestigious and picturesque campus at the foot of the Himalayas.

The institute boasts state-of-the-art infrastructure, excellent campus facilities for all residents and a highly sophisticated array of laboratories and research facilities to support cutting-edge research and scientific pursuits. All these elements come together and mold students into highly competent professionals, technocrats, and leaders of the world.

About Us

SMSS Office, A-13 Top Floor, North Campus
Email: smssoffice@iitmandi.ac.in
Phone: +01905-267929

- ➢ Established in 2016, M.Sc. in Applied Mathematics program at IIT Mandi is intended to give the students deep understanding of the principles of Mathematical sciences

- ➢ Students engage in industry-driven projects in areas like machine learning, deep learning, and image processing, gaining practical and relevant experience.

- ➢ The program cultivates a refined mathematical acumen, fosters exceptional research, and inspires innovative thinking to tackle challenging real-world problems, preparing students to excel in advanced fields and industries.

- ➢ Students are well-equipped to lead in innovative environments, contribute to scientific advancements, and address challenges through the power of mathematics.

The Advantage

Hire For

Software Engineer/Developer
Machine Learning Engineer
Data Analyst
AI Researcher/Scientist
ML Ops/ Gen-AI Engineer
and various related posts...

Disciplines

Machine Learning
Data Analytics
Computational Finance
Interdisciplinary areas: (Differential Equations, Deep Learning, Control Problems)

Core Subjects

Real Analysis
Functional Analysis

Ordinary Differential Equation
Partial Differential Equation

Applied Mathematical Programming

Linear Algebra
Abstract Algebra

C Programming

Probability and Statistics

Numerical Analysis

Electives

Statistical Data Analysis Optimization Techniques

Computational Financial Modelling Financial Engineering

Deep Learning

Programming Practicum Matrix Theory

Computer Vision

Graph Theory Pattern Recognition

Measure Theory

SKILLS & PROJECTS

- Computational Finance
- Transfer Learning
- Deep Learning & its application
- Convex Optimization & its applications
- Quantitative Finance Modelling
- Mathematical Image Processing
- Disease Modelling and Data analysis using differential equations models.
- Understanding disease dynamics using statistical techniques.
- Estimation of competing risk models.
- Stock data forecasting.

ACADEMIC PROGRAMS

"Masterclass on Statistical Data Analytics and Deep Learning" – key speakers from <u>NASA, University of Washington Tacoma USA, SMSS(IIT MANDI)</u>

"Teaching Calculus as Ganita"
By Prof. C.K. Raju(IIT Mandi)

"Machine Learning: A New Paradigm for Scientific Modelling"
By Prof. Mohan K. Kadalbajoo(IIT Kanpur)

"Accurate computation of starting and stopping flow past a mounted wedge"
By Prof. Jiten C. Kalita(IIT Guwahati)

"A Taste of Topological Data Anaysis(TDA) : Shape Reconstruction from Noisy Data"
By Sushovan Majhi(George Washington University)

"Univalent Functions and Bohr Phenomenon"
By Prof. Ponnusamy Saminathan(IIT Madras)
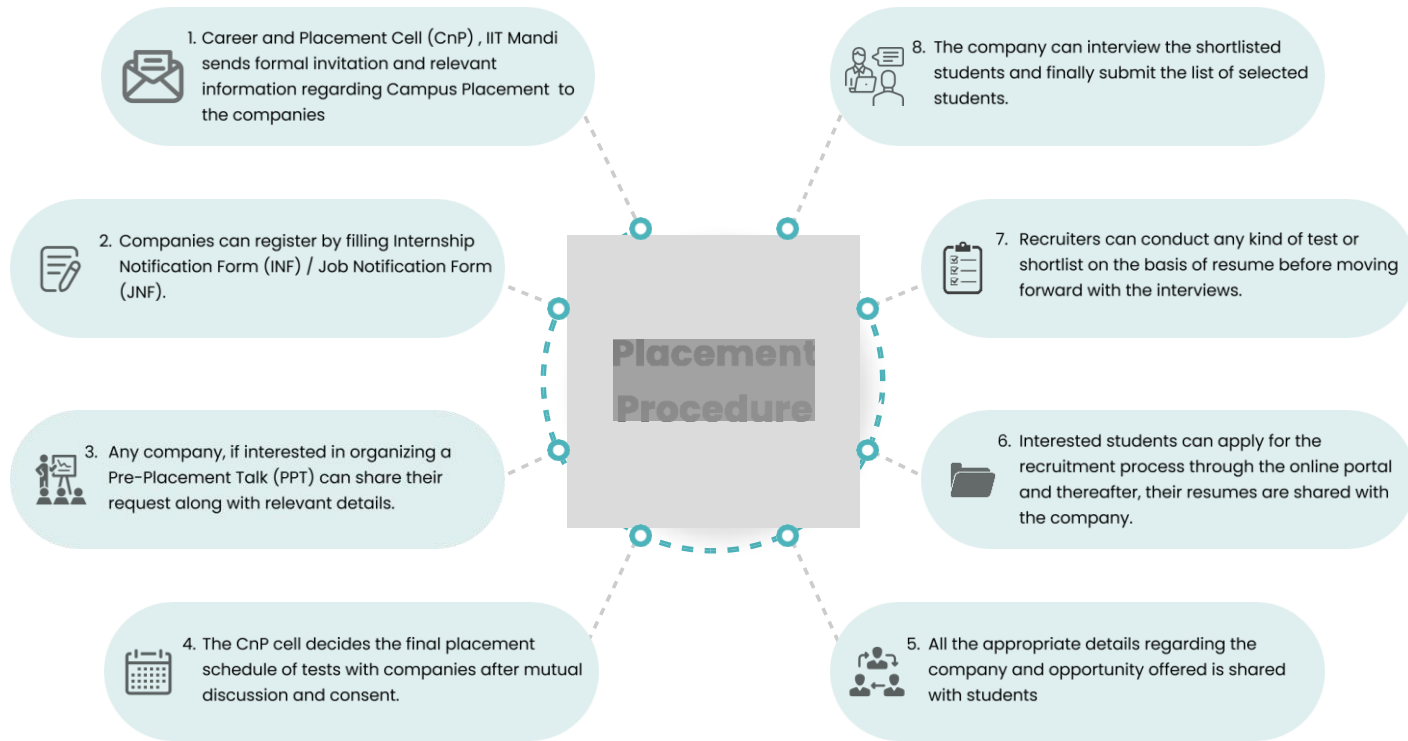
Our Recruiters

- Aakash BYJU's
- Allen
- Aspire
- Axtria
- Cognizant
- Decision Point
- Endeavor career Pvt. Ltd.
- Future First
- Goldman Sachs
- HCL
- Impact Guru
- Narayana
- Pace IITian
- Quantsapp
- Sri Chaitanya
- Sterlite
- Tata Consultancy Services
- Transweb
- Virtusa
- Yum!

Placement Procedure

1. Career and Placement Cell (CnP) , IIT Mandi sends formal invitation and relevant information regarding Campus Placement to the companies

2. Companies can register by filling Internship Notification Form (INF) / Job Notification Form (JNF).

3. Any company, if interested in organizing a Pre-Placement Talk (PPT) can share their request along with relevant details.

4. The CnP cell decides the final placement schedule of tests with companies after mutual discussion and consent.

5. All the appropriate details regarding the company and opportunity offered is shared with students

6. Interested students can apply for the recruitment process through the online portal and thereafter, their resumes are shared with the company.

7. Recruiters can conduct any kind of test or shortlist on the basis of resume before moving forward with the interviews.

8. The company can interview the shortlisted students and finally submit the list of selected students.

| Contact Us

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