IIT MANDI

PLACEMENT BROCHURE 2022-23
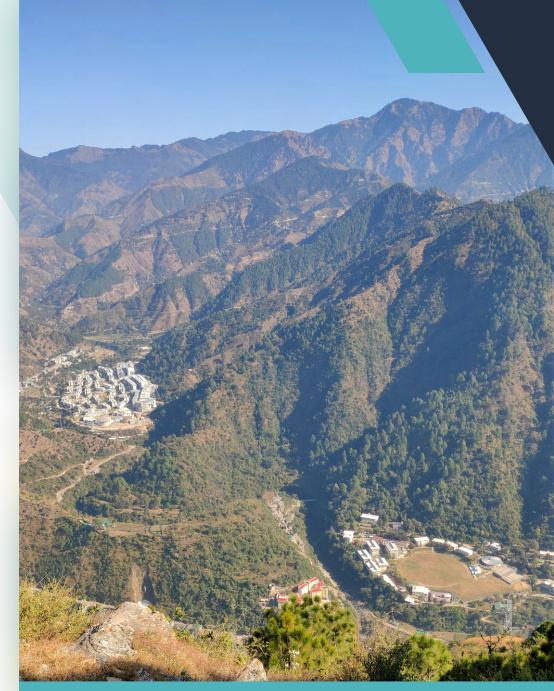
Indian Institute of Technology Mandi

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INDIAN INSTITUTE OF TECHNOLOGY, MANDI

| From the Director

Prof Laxmidhar Behera
Director, IIT Mandi

I am pleased to welcome you to IIT Mandi, which is located on the 538-acre picturesque river valley in the Shivalik Range. Since its inception in 2010, IIT Mandi has consistently worked to nurture professionals with industry-ready skills. We achieve this by periodically revising the curriculum in consultation with academic and industry experts to keep it relevant to the fast-changing global human resource needs. Academic excellence is our greatest strength. Students are introduced to practical learning with innovative pedagogy very early into the training. This ensures that they are better prepared to succeed in ambitious corporate environments. We provide a learning environment to allow individuals to express their passion and apply their innate abilities to solve real-world problems.

In the first year, the B.Tech. students participate in the Foundations of Design Practicum: Robotics and Reverse Engineering course which introduces them to existing engineering systems with hands-on experience. Design Practicum introduced in the second year to our B.Tech. students enables them to get exposure to real-world engineering problem-solving with interdisciplinary collaborations. With a budget of Rs. 25,000, award-winning projects include an intelligent drip irrigation system, a 3D printer, an autonomous garbage collector, etc. Socio-Technical Practicum introduced during B.Tech. 3rd year provides exposure to the impact of new technologies on society, often doing fieldwork in villages and towns in the neighborhood. Typical projects include alleviating traffic congestion in Mandi town, mechanization in terraced farms in the Himalayas, and education and livelihood for village women. These interdisciplinary and group projects build up perseverance, leadership, connection with society, and the opportunity to apply their technical skills.

The M.Tech. and M.Sc. degree programs contain a substantial component of thesis work relying heavily on practical learning aspects for over two semesters. In this open-ended thesis, students learn to work independently and in great depth on a research problem. The thesis contains globally novel contributions to the discipline in some aspects. Thus, the Master's graduates are well suited to take a lead role. The institute also encourages the student to explore collaboration and to work on projects guided by industry experts for their thesis. Research by our MS and Ph.D. students has achieved global recognition in international journals and conferences.

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| From the Director

In addition, the diaspora of student-driven extracurricular activities creates a lively learning environment and provides leadership abilities and confidence in our students. All this is impossible without the support of our able faculty, who give a holistic learning experience with their excellent teaching and exposure to cutting-edge research and publication in the best international scholastic journals. We have a total faculty strength of 145 active in research and teaching in several areas of engineering, sciences, and the humanities. Faculty have received research grants totaling over Rs. 127 crores and the Institute has invested heavily in developing state-of-the-art lab infrastructure. Our faculty members are also involved in mentoring startups supported by our Technology business incubator, IIT Mandi Catalyst. The IIT Mandi Catalyst has to date disbursed about INR 5.76 crores for prototyping and commercialization of diverse start-ups in clean energy, environment, health care, agriculture, enterprise management, biotech, education, manufacturing, and consumer internet. The fact that about 10% of the total start-ups have been founded by the IIT Mandi faculty, staff, and students underlines the innovative and entrepreneurial spirit of IIT Mandi once again.

The IIT Mandi alumni have done extremely well, as evident from receiving the youngest scientist award in the Indian Science Congress, INYAS award, etc. Our current alumni strength is over 1081 B.Tech, 75 MS, 321 M.Tech, 297 MSc, 23 MA, and 173 Ph.D. graduates. Our alumni have excelled in different spheres of academia, industry, and central government administration, thanks to our innovative curriculum. Most of these alumni have been hired by top multinational companies, a few have chosen higher studies in leading universities and several of them are serving different administrative positions in the Govt. of India including IAS.

On behalf of the faculty and students of IIT Mandi, I invite you to participate in our placement process. I am confident that you will find it a rewarding experience!

Prof. Laxmidhar Behera
Director, IIT Mandi

| From the Faculty Advisor

Prof. Dr. Tushar JAIN

During the short span of thirteen years of its existence, the Indian Institute of Technology Mandi (IIT Mandi) has gained a reputation for its cutting-edge research and innovative teaching programs focusing on up-to-date scientific knowledge and state-of-the-art technological know-how in their respective disciplines. The institute prides itself on creating an environment that empowers young minds by developing intellect, and versatility, broadening horizons of creativity and honing interpersonal skills with the help of our top-notch faculty and staff. With the aim of shaping the students into responsible engineers and scientists, the innovative curriculum at IIT Mandi strives to expose students to strong fundamentals of engineering, basic sciences, and humanities while simultaneously sensitizing them to human values and society. Similarly, the institute's focus on research at the fore-fronts of various areas of science and technology has resulted in significant contributions and responsible researchers.

Apart from the technological development of our students, they also participate/organize in a multitude of extra-curricular activities, which exposes them to and tests their skills in sports, culture, dramatics, and music and allows them to develop a healthy overall personality. This has brought several awards to the institute at national and international levels. The students also get first-hand experience in organizing and managing events through various leadership positions they take up during several annual events organized at IIT Mandi.

The Career and Placement Cell (CnPC) invites organizations that have recruited our alumni and have witnessed them deliver well on high expectations placed on them, as well as those whom our students have not yet got an opportunity to serve. The CnP cell strives to facilitate the best possible match between the aspirations of recruiting organizations and the abilities of our students. We welcome suggestions from your organization that will help us realize it. On behalf of the CnPC team at IIT Mandi, I assure you of the prodigious talent of our students and feel elated to invite your esteemed organizations to recruit our students. We look forward to the enthusiastic participation of your organization in our 2022-2023 campus placement process and a lasting and mutually satisfying relationship with your organization.

Prof. Dr. Tushar JAIN, PhD, SMIEEE
Faculty Advisor, Career and Placement Cell

| 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.

| Admission Procedure

IIT admission procedure for the various programmes ensures that only the very best and most motivated students make it to the campuses. Admission at different levels is carried out through the following highly competitive national-level examinations.

JEE ADVANCED (IIT JEE)

GATE

IIT JAM

UGC-NET

| Schools

School of Computing and Electrical Engineering

This School brings together faculty involved in the key technologies of the Information Age. These include computer science, communication, VLSI and microelectronics, and electrical energy. The underlying fundamental principles are information theory, theory of computation, communication theory, quantum mechanics and the laws of electromagnetism.

School of Basic Sciences (SBS)

This School comprises of mathematics, physics, chemistry and life sciences. While some faculty at SBS are interested in fundamental areas of sciences, others work on applied research in collaboration with colleagues in the engineering Schools.

School of Engineering

This School covers tangible physical structures and artifacts such as transport vehicles, transport systems, machines, materials, manufacturing, designs etc. The underlying principles are classical mechanics, atomic physics, thermodynamics. Many faculty from the traditional departments of mechanical, civil, aerospace, metallurgy engineering would be in this School.

School of Humanities and Social Sciences

Modern engineers work in teams to create, improve and apply technology for the good of society. A good understanding of language, culture, sociology, economics, management, ecology, etc. is essential for the well-rounded engineer, for development of technologies, products and processes that will see widespread use. This School is thus an important part of IIT Mandi.

| Academic Programmes

Bachelor of Technology

Civil Engineering (CE)

Computer Science and Engineering (CSE)

Electrical Engineering (EE)

Mechanical Engineering (ME)

Data Science and Engineering (DSE)

Engineering Physics (EP)

Integrated Dual Degree in Bio-Engineering

Doctor of Philosophy

School of Computing & Electrical Engineering

School of Engineering

School of Basic Sciences

School of Humanities and Social Sciences

Master of Technology

Mechanical Engineering
with Specialization in Energy Systems

Materials and Energy Engineering

Power Electronics and Drives

Communications and Signal Processing

Biotechnology

Structural Engineering

VLSI

Computer Science and Engineering

Fluid and Thermal Engineering

Master of Technology in
Electric Transportation

Integrated-Doctor of Philosophy

Physics

Master of Science

Chemistry

Applied Mathematics

Physics

Master of Arts

Development Studies

Master of Science (by Research)

School of Computing and Electrical Engineering

School of Engineering

School of Basic Sciences

| B.Tech Curriculum

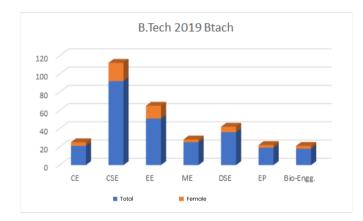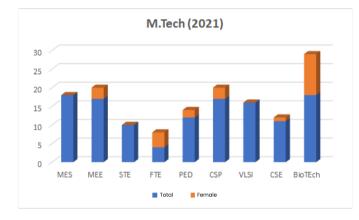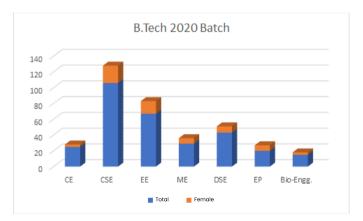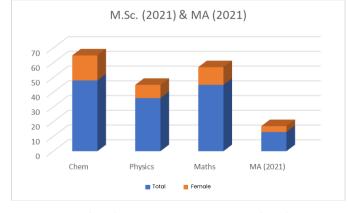| Year 1	Year 2	Year 3	Year 4
Common Courses	Discipline Courses	Discipline Course	Electives
Reverse Engineering	Product Development	Socio-Technical Project	Major Technical Project
Under the curriculum students carefully disassemble, observe test, analyse, report and understand existing technologies, functions, features, objects, components and systems.	The curriculum is geared towards training innovative design engineers who will be responsible for the products that will become household words in years to come.	This is an on field curriculum designed for leaders of tomorrow to understand how society and technology interact.	The MTP is a capstone task which builds organisationally and collaboratively upon the previous three years of study taken by a B.Tech. student

Demographics

B.Tech 2019 batch
Total strength : 262
No. of female students : 53

M.Tech (2021)
Total strength : 123
No. of female students : 24

M.Sc. (2021)
Total strength : 129
No. of female students : 38

M.A. (2021)
Total strength : 13
No. of female students : 4

B.Tech 2020 batch
Total strength : 305
No. of female students : 66

| Student Activities

The student clubs at IIT Mandi cater to diverse interests and enable the all-around development of the students. Most of the clubs come under the Student Gymkhana with students acting as club coordinators for various programs Science and Technology Council (SNTC), Cultural Society, Sports Society, English Debating, and Literary Society.

Technical Society

The technical society of IIT Mandi or Science and Technology Council (SNTC) IIT Mandi consists of several technical clubs. One unique feature of the Institute's Technical Society is that all the clubs support open participation i.e. all the students are free to join a club at any point of time and dedicated students are rewarded accordingly. Members of the technical society also enthusiastically represent the college in national events and have brought several laurels for the institute.

SnTC constitutes of the following clubs:

- Robotronics Club
- Space Technology and Astronomy Cell (STAC)
- Yantrik Club
- Programming Club
- Nirmaan Club
- SAE Collegiate
- Entrepreneurship Cell
- Kamand Bio Engineering Group (KBG)

Technical events and activities:

- Utkarsh (Intra College Technical Fest)
- Xpecto (Annual Inter College Tech Fest)
- AstraX (Inter College Astro Fest)
- FrostHack (Inter College Hackathon)
- Kamand Premier League (Intra College Annual League)

Literary Society

IIT Mandi has various literary clubs and societies that actively work for enhancing the talent of the students in these fields. The society came up with the first clinical student magazine Vivaan The society held its formal debating competition along with several GDs, quizzes, and creative writing. It participated in Casis 2012 at the BITS Pilani and won the first prize in Formal Debating. Literary society of IIT Mandi also runs an annual fest named 'Ruvaan'.

Cultural Society

Music, Dramatics and Dance come together with Programme Management under the Cultural Society to provide students a platform to showcase their skills. The society has also started a Photography and Fine arts Club. In the year 2014, this society started collaborating with SPIC-MACAY and has been organizing various events throughout the year. "Aakarshan"-Introduction to Cultural Society and "Exuberance"- Intra College Cultural Nights are some of the major events. Digital Art is another focus area of the cultural society.

Entrepreneurship

At IIT Mandi student clubs especially E-Cell aim to instigate the entrepreneurial spirit among the community. The club shares it's crazy love for subjects related to business and its disciplines, they strive to give a glimpse of the world of business and finance by conducting a variety of events, sessions and competitions.

The main focus is on Personal Finance, Business Analytics, Product Management, and building a good startup culture in the college. IT Mandi Catalyst hereby goes hand-in-hand as an incubator as well as a partner. Stock market and Blockchain networks are also being covered and the result comes out as Himalayas biggest Startup fest 'Himalayan Startup Trek' where startups from around India and World come with their pitches and get incubated.

| Our Alumni

Mr. Athar Amir Khan
Commissioner, Srinagar
Municipal Corporation &
CEO, Srinagar Smart City Limited

Er. Amanjot Kaur
Data Sceintist at Visualping,
Canada

Dr. Palvi Aggarwal
Assistant Professor,
University of Texas, USA

Dr. Hari Vansh Rai Mittal
Assistant Professor, IIT Palakkad

Mr. Shubham Ajmera
Software Engineer at Facebook | Ex-
Google

Mr. Siddharth Gangal
Solarlabs, co founder

Dr. Rishi Sharma
PHD, Computer Science at EPFL

Mr. Harshul Jain
Founder and CEO of
Glood.ai

Mr. Mohit Kumar Malhotra
Scientist, Defense ministry of
Gov. of India

Mr. Tanmay Rustpgi
Software Engineer,
Databricks

Mr. Abhigyan Khaund
MS Computer Science,
Georgia Institute of
Technology

Student Achievements

IIT Mandi got 11th rank in the world
in terms of number of students selected in GSOC-21.
12 students and 3 mentors got selected in 2021
9 student and 6 mentors got selected in 2020
5 student and 2 mentors got selected in 2019

STAC IIT Mandi received a globally competitive grant of € 4388 from IAU Office of Astronomy Upliftment of Space Technology Cell in Himalayas

Ranking of IIT Mandi in
Inter-IIT Tech Meet
2021-22 : 10th
2020-21 : 12th
2019-20 : 12th

Neha Grewal
Secured 2nd rank in CDSE
(2020)

Mr. Arpit Nandi received IEEE Electron Devices Society Masters Student Fellowship 2021.

IIT Mandi alumnus
Dr. Navneet Chandra Verma has won the Indian National Young Academy of Sciences (INYAS) National Award 2020 for Research Excellence.

Lalitesh Kumar Meena
Secured 655th rank in
CSE (2020)

Piyush Kumar
Secured 400th rank in
GATE(2021)

Research and Development

Research Centres

1. Advanced materials research
2. BioX centre
3. Centre for Design and fabrication of Electronic devices
4. Design and Innovation Centre

Reasearch Labs

1. Manas Lab
2. MandiCon
3. CMP
4. Photoresist Research Group
5. MAS
6. ACS

Innovation Centres

1. Enabling women of Kamand
2. IIT Mandi Catalyst
3. IIT HCI iHUB

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| Our Recruiters

A
Accenture
Accolite
ACME
Addverb Technologies
Adobe
AgNext
Aizant Drugs
Alstom
Altair
Amagi Media
Amazon
Aptean
ARC dampers
ArcelorMittal Nippon Steel
Arcesium
Arista Networks
Atom
Avalara
Axxela
Azim Premji Foundation
Atom Berg technologies
Ascend Bizcap
Ather energy
Accenture India
Achnet Technologies
Agnikul Cosmos
ABB
Axtria
Azure power
Aakash Institute
ACME

B
B Beehyv
Bizense Technologies
Bluestar
Bookmyshow
Boston Ivy Healthcare Pvt ltd.
BPCL
Broadridge Financial Solutions
BrowserStack
Buddi.AI
BYJU'S
BrowserStack
Bajaj Auto
bueno finance
Brigosha Technologies Pvt Ltd
BEL
Bueno finance

C
CAD Studio
Capgemini
Capital Dynamics
CashFree
C-DAC
CeWIT
Ceremorphic
CGI
Chegg
CISCO
CL Educate
Clear Trail
Clicklabs
Coal India
Codenation
Cognizant
Commvault
Continental India Private Limited
Cortex
Cready Technologies Pvt Ltd
Crisptag Technologies Private Limited
CRISIL
CSC
Cubastion Consulting Pvt Ltd
CAPRI GLOBAL CAPITAL LTD
Cummins India Limited
CG Power and Industrial Solutions
Couture
Careallianz
Cadence

D
D. E. Shaw
Decision Point
Delhivery
Deloitte
Dhrishti-Soft
DIRECTI
Dolcera
Domino Datalab
Doubtnut
DRDO
Dunzo
Dyeus
Danfoss Industries Pvt Ltd
Drishtee Foundation
DP World
Disha Foundation
Digilytics

E
EBAY
eClerx Services
Ecom Express
Edifecs Technologies
Embibe
Enarka
Endeavor Careers Pvt. Lid.
Entuple
Edvizo Media Private Limited
Emerson
ET Medialabs

F
Finisar
Flipkart
Fresenius Kab
Futures First
Flipspaces
FIITJEE Ltd
FYP Money
Ford Motors Pvt Ltd
FactWise (Fact Wise Tech Pvt Ltd)
Frontrow

G
Google
General Electric
GMO Research
Goldman Sachs
Gridants
Grofers
GoMassive Incubators
Grayquest
Gameskraft
Genpact

H
Halliburton
Helium Consulting Pvt. Ltd.
HPCL
HSBC Technology
Hyperverge
Hyundai
HCL TECHNOLOGIES LTD.
Housing

I
IBM India
Ikarus Process Automation
Impact Guru Technology
Indeed
Infoedge
Info

I
Innovaccer
Innovation Line Technologies
Internet Academy
Intuit
IOLCP
IP Infusion
IrageCapital Advisory Pvt. Ltd.
ISRO
InfoObjects Inc
ICICI Bank
Innominds
Irage

J
Jaguar
JP Morgan
Juspay
John Deere
JSW

K
K & T Research
Khosla Labs
Kisan Hub
KPMG
Kritikal vision
Kuliza
Keyideas

L
LafargeHolcim
Lepton Maps
LnT Constructions
LnT ECC
LnT infotech
LnT Mumbai
Logic Fruit Technologies
Loop
LTI
LTTS
Lucideus
Lead School
L'Oréal India Pvt Ltd
Leena.AI
LatentView Analytics
Log9 materials
Lekha Wireless
Logicfruit

M
Mahindra
Mahindra and Mahindra
MAQ Software
Marvell Semiconductor
MasterCard

Mathworks
Maven Securities
Media.net
Meeso
Microsoft
Mojo Networks
Mphasis
Media Net
Morphle Labs
Merlytics
Mindtickle
MPSlimited
Mindworks Global Media Services

N
Nagarro Software
Newzera
Nference Labs
NHAI
Novopay Solution
NSL HUB
Nucleus Software
Nutanix Technologies India Private Ltd.
Nvidia
NXP Semiconductors
Nucleus Software Exports Ltd
Nation with Namo

O
One97
Optiver Services BV
Optum
Oracle
Oyo Room
Oxytocin
ODE holdings
OLA

P
P2Power Solutions
PalC Networks
Payme IndiaPayTM
PayU
Pentair
Perceptive Analytics
PharmEasy
Play Simple
Praco Labs
Practically
ProtoTech Solutions
Publicis Sapient
Perl Education
Planet Spark

Q
Qualcomm

R
R Systems
Raam group
Razorpay
Reliance Jio
Resonance Eduventures Ltd.
Robert Bosch
RockOn Technologies
Rubrik
RightBoat Technologies
Reading Right
Radisys
Rajasthan Grameen Ajeevika Vikas Parishad

S
Sam media
Samsung (SEL)
Samsung (SISC)
Samsung (SDS)
Sandip University
SAP LABS
Sentiss Pharma
Service Now
SRF
ShopX
Siemens
Siemens Gamesa
Sigmoid Analytics
Signal Chip
Signaltron
Slice
Smarton
SmartPrix
SMS Datatech
Sprinklr
Statlabs Analytics
Stellarix
Swastik Classes
Swiggy
Silicon Labs
Sapio Analytics
SRI CHAITANYA EDUCATIONAL INSTITUTIONS
SLKgroup

STMicroelectronics
SGIC
Salesforce
Siksha 'O' Anusandhan
Social Lab
Superset
Synapse
Samsung Noida
Samsung, Bangalore
Swastik classes

T
Tata Motors
Tata Steel Ltd
Target
TCS
TCS IT
TCS R&D
Tecumseh
Tejas Networks
Tescra
Tetcos
Texas Instruments
TG Campus
The solar labs
Timetooth Technologies Pvt. Ltd
TMIToppr
Tork Motors Pvt. Ltd.
TRAI
Trident
Truminds
Truring Softek Pvt. Ltd
Thence
TechAdvantage System
Trilogy Innovation
Tiger Analytics
Tredence
TVS
Tata Electronics
Tresvista
Telecom Regulatory Authority of India (TRAI)
Tonichi
Topline

U
Udaan
UnDosTres
Ushvaa
UBS
Uolo Edtech
Uber

V
Vehant
Veratech
Videocon Technologies
Vidyamandir Classes
Visa
VMware Inc.
Viscadia
Virtusa Consulting Services Pvt Ltd
VCE
VisibleBox LLP

W
Walmart Labs
Walkover
Webstaff Co., Lid
Wipro Limited
Wisig Networks Pvt. Ltd.
Works Application
Wunderman
Walmart Global Tech India
Willings
Wrig Nanosystems Pvt Ltd

X
Xebia IT Architects India Pvt

Y
Yodlee
Yokogawa
Yellow. AI
Yugabyte

Z
Zomato
ZS

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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