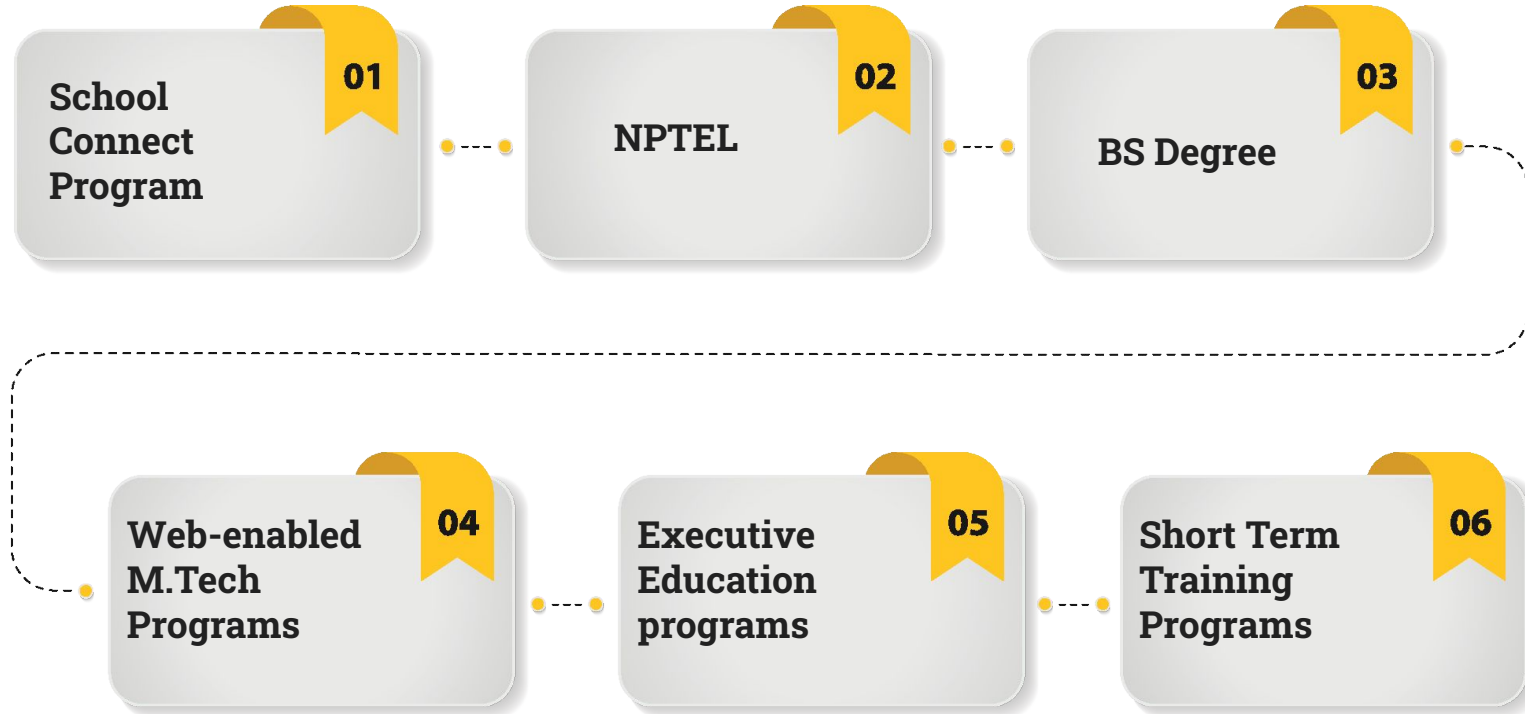


**Centre for Outreach and Digital
Education (CODE)**

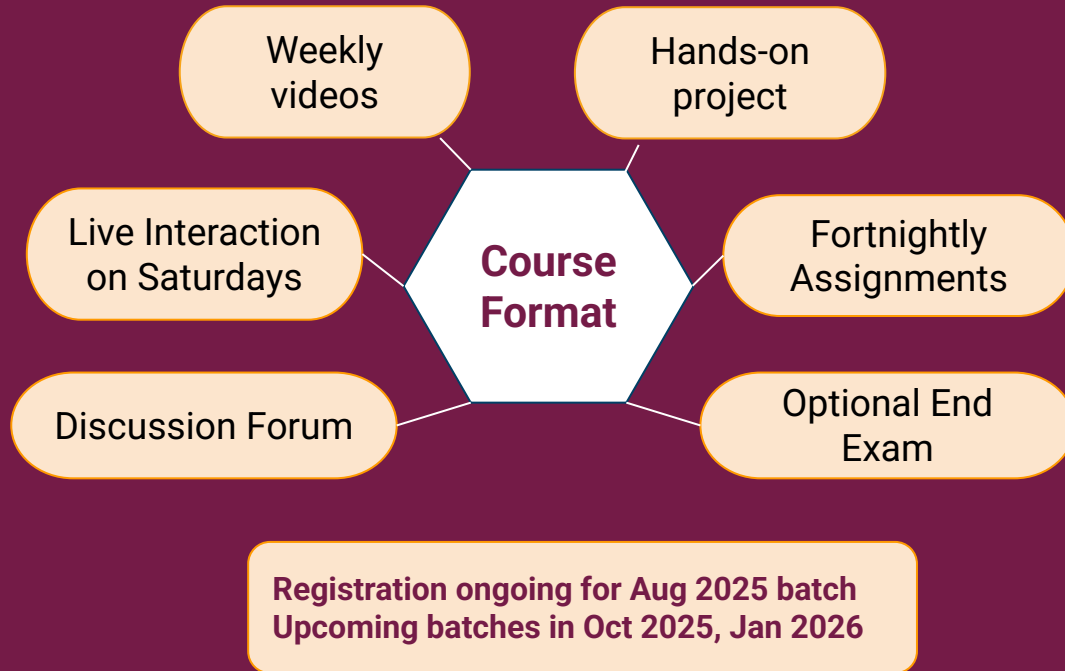
IIT Madras

Academic Programs



1. School Connect Program

- Introductory 'Hands-on Career Experience Programs'
- Certification courses for Class X, XI & XII Students from partner schools



2300+

**SCHOOL PARTNERS
(AS OF 1ST JUNE, 2025)**

Including schools from UAE, Nepal,
Oman, Qatar and Saudi Arabia



50000+

STUDENT BENEFICIARIES

Current Courses offered under the School Connect Program

code.iitm.ac.in/schoolconnect/index

1	Introduction to Data Science and AI	6	Introduction to Engineering Biological Systems
2	Introduction to Electronic Systems	7	Introduction to Ecology
3	Introduction to Arch. & Design	8	Introduction to Law
4	Fun with Math and Computing	9	Fundamentals of Aerospace
5	Math Unplugged: Games & Puzzles	10	Humanities Unplugged

New courses in the pipeline: Mechatronics, Chemical Engg., Product Design, Computer Science, Civil Engg.



2. NPTEL - Joint initiative of seven older IITs and IISc

Free Repository

3200+ courses - for download and viewing

Self-paced Certification

Any time enrollment and certification (online exam) for a nominal fee

Certification Courses every Jan and July on SWAYAM

Enrollment is free. Exam for a nominal fee, is in-person, proctored at centres

More than 900 courses every sem, 30 lakhs+ enrollment, 9 lakhs+ exam registrations

NPTEL highlights

National Programme on Technology Enhanced Learning



925 courses are open for enrollment in Engineering, Humanities, and Management for the July 2025 semester.

Courses from 80+ top institutes. NPTEL Networks with 7200+ Colleges and 100+ Industry Associates

NPTEL INITIATIVES



Postbac fellowships



Credit Transfer



**MOU with AICTE for
NPTEL Course as FDP**



Support For SPOCS



GATE Exams



NPTEL+



Internship for Toppers



Industry Associates



Soft Skill Trainings



CSR



Translation



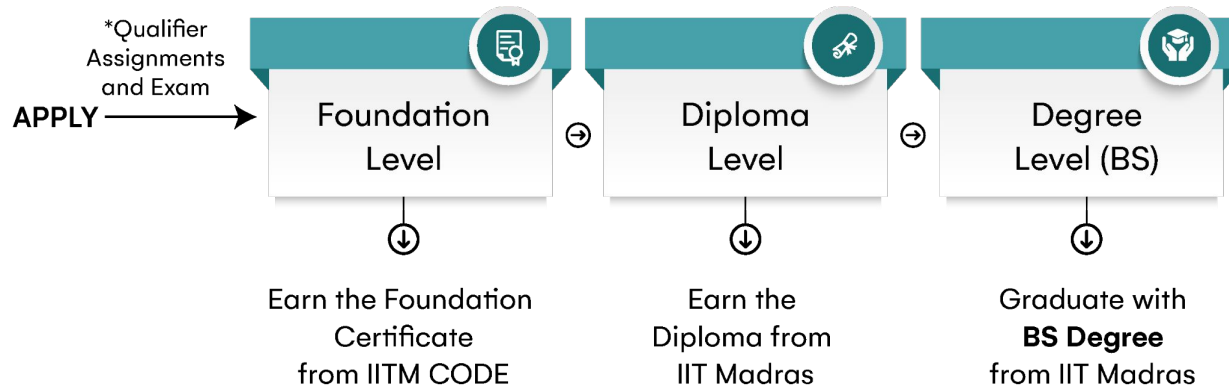
NPTEL Social Media



LAB Workshops

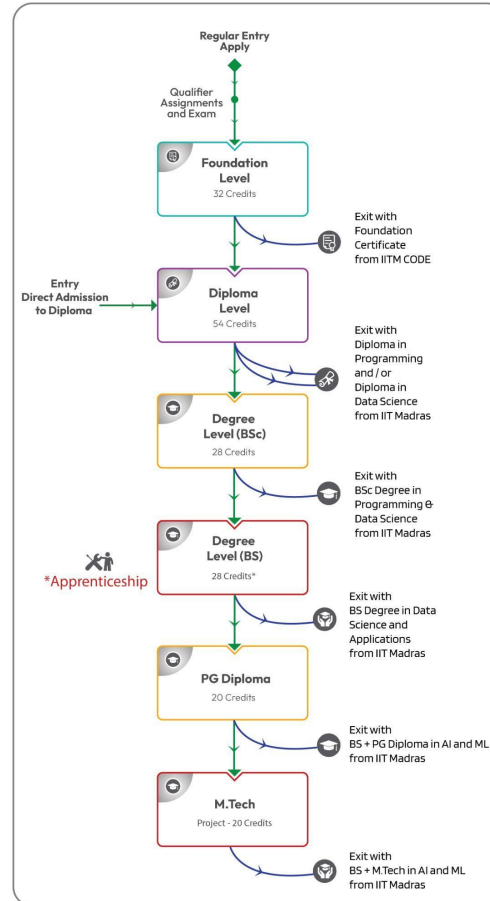
3. BS and Diploma Programs

- **BS in Data Science and Applications** (38000+ students)
- **BS in Electronic Systems** (1500+ students)



IITM BS Degree in Data Science and Applications

- Open to anyone who is interested in upskilling - any age, from anywhere, any background
- Entry - 4-week qualifier process or JEE
- All contents delivered online, proctored in-person exams on Sundays
- Access to IITM campus courses at the Degree levels



- Upgrade to PG Diploma/MTech program after completing the BS
- Upgrade to MS in IITM after completing the final year in IITM in person

Number of students currently active in the
BS Program: **38000+**



BS-DS Program Student Distribution

Age (yrs)	% of Total
<20	25.16%
20-24	59.73%
25-29	6.66%
30-39	5.15%
40-49	2.42%
50-59	0.77%
60-69	0.10%
70-84	0.01%

Education Level	%
Doing another UG degree in parallel	51.81%
Completed UG	15.75%
Stand Alone	29.71%
Completed PG	2.74%

Working Status	%
Employed	15%

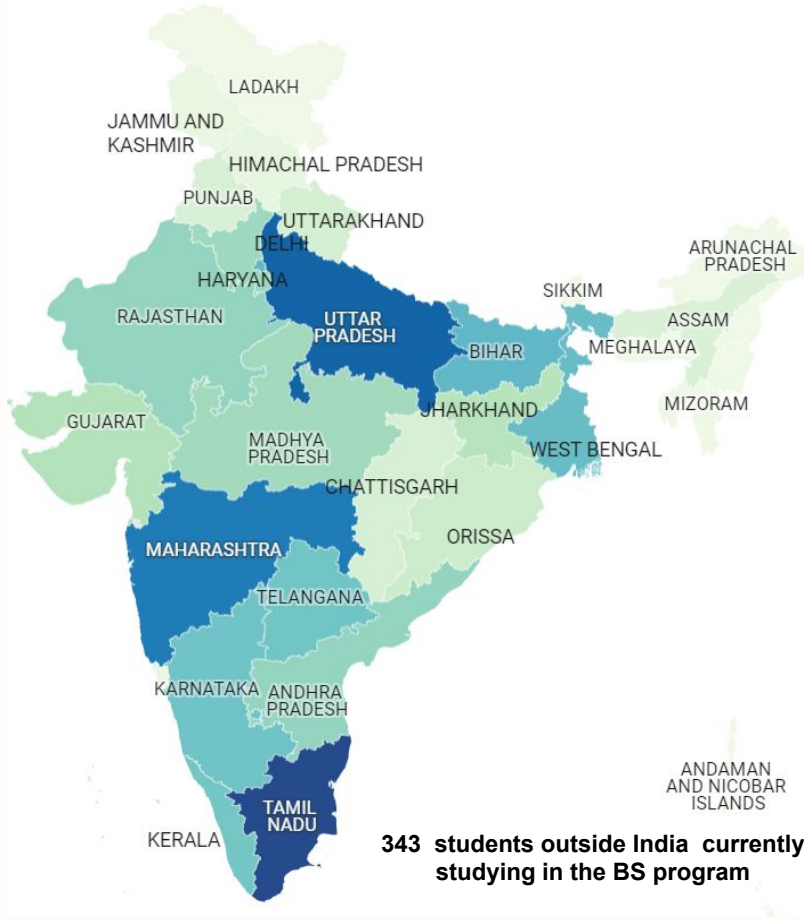
Male	Female	Others
72.44%	27.55%	0.01%

Educational Background	% of Total
Arts/ Science/ Commerce	21.77%
Engineering/ Technology	72.25%
Management	5.98%

Category	%
General	46.89%
OBC NCL	29.46%
EWS	14.46%
SC / ST	9.19%

Income Level	% of total
> 5 LPA	56.21%
1-5 LPA	18.97%
< 1 LPA	24.82%

Student community across India



State	Count	State	Count
Tamil-Nadu	4522	Punjab	302
Uttar-Pradesh	4039	Assam	270
Maharashtra	3221	Jammu-And-Kashmir	99
Bihar	1865	Himachal-Pradesh	92
West-Bengal	1826	Puducherry	77
Delhi	1748	Goa	42
Karnataka	1606	Tripura	41
Telangana	1529	Andaman-And-Nicobar-Islands	20
Kerala	1266	Dadra-And-Nagar-Haveli	12
Rajasthan	1209	Manipur	12
Madhya-Pradesh	1036	Meghalaya	11
Andhra-Pradesh	1022	Arunachal-Pradesh	5
Haryana	1022	Mizoram	5
Jharkhand	734	Nagaland	5
Gujarat	729	Sikkim	4
Odisha	465	Daman-And-Diu	2
Chhattisgarh	363		
Uttarakhand	323		

4. Web Enabled PG Programs - M.TECH

Prerequisite:
Program wise
eligibility + 2 years
work experience

M. Tech

- ❖ Aerospace Engg
- ❖ Artificial Intelligence
- ❖ Electrical Engg
- ❖ Comp Sc. Engg
- ❖ Mech Engg
- ❖ E-Mobility

**PG Diploma exit
option available**

01

Duration

1 or 2 years +
1 year Project

02

Mode of Delivery

Live classes during the weekdays
4pm - 7pm (IST)

03

Interim Assessments and End Term

Online proctored and
center based

04

Immersion

Through Laboratory sessions
or Campus visits or Project
review as per program

05

Project

Hands-on project in work
area, reviewed by IITM
Faculty

06

Award of Degree M.Tech

**Support of Company is required by way of a MoU / Letter of Support to
execute the project in the employed organization**

4.1 Web Enabled PG Programs - PG DIPLOMA

Prerequisite:
Program wise
eligibility
Open for **Freshers**

PG Diploma

- ❖ Aerospace Engg
- ❖ Artificial Intelligence
- ❖ Electrical Engg
- ❖ Mech Engg
- ❖ E-Mobility*
- ❖ Process Safety

**Upgrade option to
M.Tech available**

01

Duration
1 or 2 years

04

Immersion
Through Laboratory sessions
or Campus visits as per
program

02

Mode of Delivery
Live classes during the
weekday 4pm - 7pm (IST)

05

Mini Project
Applicable for Artificial
Intelligence, E-Mobility

03

**Interim Assessments
and End Term**
Online proctored and center
based

06

Award of Degree
1. PG Diploma

*** Candidate has to be employed and support of Company is required by way of a MoU / Letter of Support ONLY for E-Mobility program.**

Web Enabled Program Numbers

Number of Web M.Tech programs: 11; Active Students - 893

Electrical Engineering

1. Communications & Signal processing
2. Integrated Circuit System
3. Microelectronics
4. Multimedia

364 students

Mechanical Engineering

1. Mechanical Design
2. Automotive Technology

109 students

Aerospace Engineering

1. Aerospace Engineering
2. Ammunition Technology

121 students

E-Mobility

22 students

Artificial Intelligence

174 students

Information security

103 students

New Program Launch in 2025

POST GRADUATE DIPLOMA IN PROCESS SAFETY

01

ELIGIBILITY

- BE/B.Tech degree in Chemical, Civil Engg, Mech, Elec, Instrumentation Engg, Petroleum, or allied branches (or) MSc (Chemistry
- Minimum 60% aggregate (or equivalent CGPA) or 50% aggregate +2 years relevant work experience

02

DURATION STRUCTURE

- 1-2 Years / 3 Terms per Year
- 6 Core; 3 Electives; 1 Lab

03

RECOMMENDED FOR

- HSE Officers, Safety Engineers
- Industrial Workers, Supervisors, and Managers responsible for workplace safety
- Professionals in safety-critical sectors (e.g., Construction, Oil & Gas, Manufacturing)

Important Dates & Applications

Visit code.iitm.ac.in/webmtech for course details and application



Important Dates	WMT PG Programs
Application opens on	February 01, 2026
Application end date	May 31, 2026
Entrance Exam date	July 5, 2026
Term start	September 2026
Application fee	Rs. 3,000/-

5. Executive Education



Executive Education Programs

Please refer respective course cohort start dates at
<https://code.iitm.ac.in/ExecEdu>

- Supply Chain Management Professional Certification (SCMPro) - Joint certification with CII
- Battery Pack Design and Development - Fundamentals (new course launch)
- eMobility (CPoeM)
- Construction Technology and Management
- Digital Transformation – Fundamentals
- Foundations of Machine Learning
- Quantum Computing
- Certificate Program on Electric Vehicles (CPEV) - optional lab add-on available
- Battery Cell Technology
- Motors & Controllers
- Additive Manufacturing (3D printing)
- Responsible AI
- Electric Vehicle Engineering & Development (EVEND)
- Sustainability for Indian Businesses

Lab courses launched: 3-day in-person for MoCo and 6-day in-person for CPoeM

6. Short Term Training Programs

Customized for
Companies

Duration: 1 day to 1
week

In-person or Online

Management



Scale Up Program for Incubators
Lean management and value stream mapping
Women Leadership Development Program

Data Science / AR - VR



Data Science for Financial Surveillance
A short introduction to ML

Electrical Engineering



Robust Parameter Design using Taguchi Methods

Automobiles



Vehicle Dynamics, Drivetrain sizing
Electric Vehicles Engg, Battery System, Charging
Tech, Motors, Power Electronics, Mechatronics

Civil Engineering



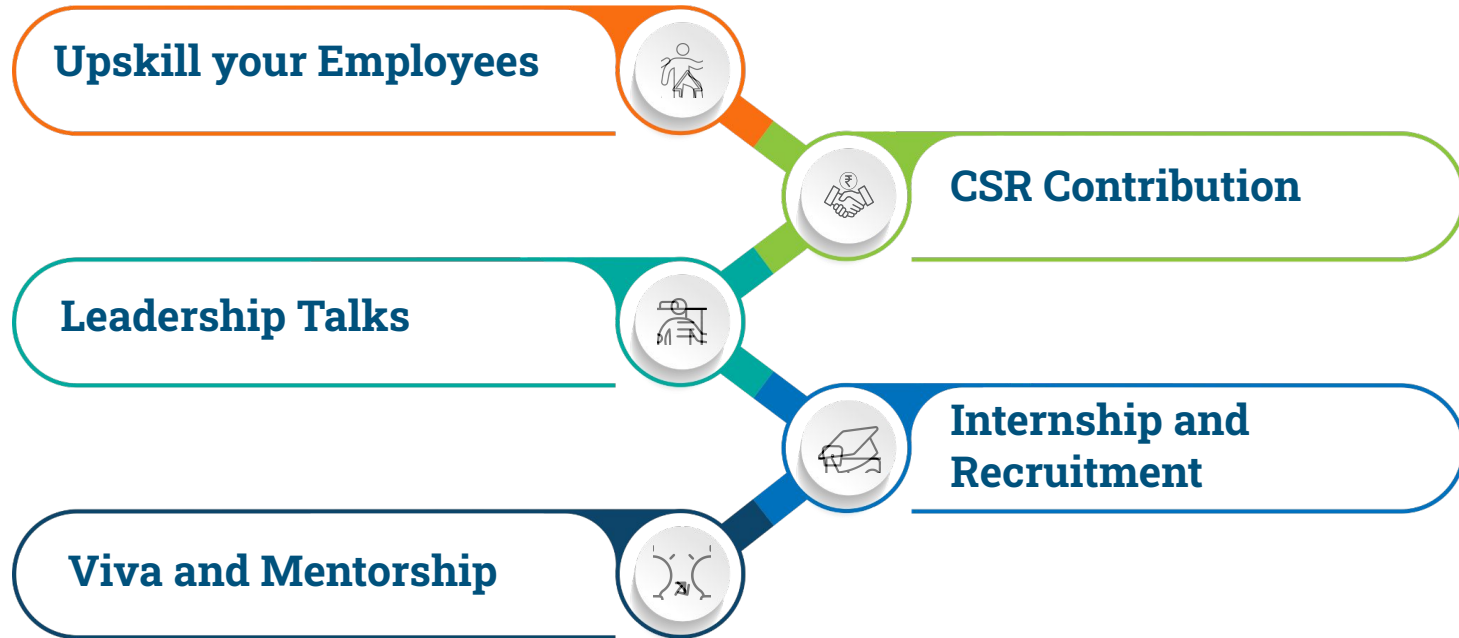
Construction Automation and Robotics
Construction Safety

Mechanical Engineering



Advanced HVAC design and testing training
Design for Manufacture & Assembly
Analysis of Mechanical Behaviour of Materials

7. Partner with IITM CODE



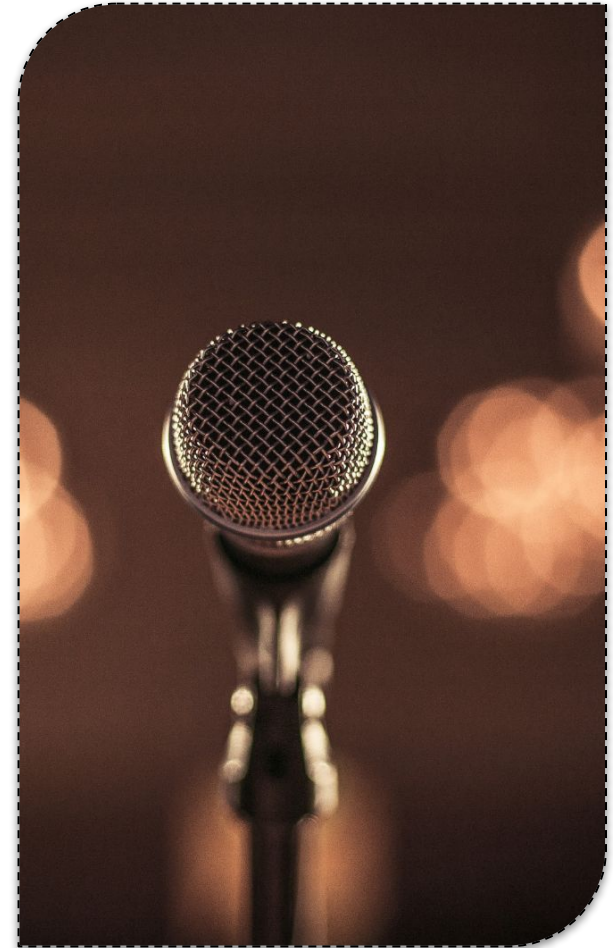
7.1 Upskilling/Cross skilling your employees

Working Professionals can pursue

- Web-enabled MTech Program - 11 programs available
- Diploma in Data Science/Diploma in Programming
- Executive Education Program - 14 programs across domains
- NPTEL courses - can also be taken as part of onboarding freshers/before joining

7.2 Leadership Talks

- Industry experts are invited to share industry insights with the student community through Live sessions
- Senior management professionals or technologists from your company with 10+ years of experience in relevant fields (Data Science & Programming domain) can deliver talks
- Duration: 45 minutes to 60 minutes. The Session video will be recorded and archived for future use (upon your consent) if not we would not record the sessions.



7.3 Viva and Mentorship

- We are pleased to invite members from your esteemed organization to collaborate with the IIT Madras BS Degree in Data Science & Applications as viva examiners. This is a great opportunity to engage with our talented student community and contribute to their academic and professional development.
- As part of this effort, your team members would conduct vivas and serve as examiners. We will be offering an honorarium for each viva conducted, along with a certificate of appreciation for their valuable contribution.



7.4 Initiatives supported through CSR

- **NPTEL:**

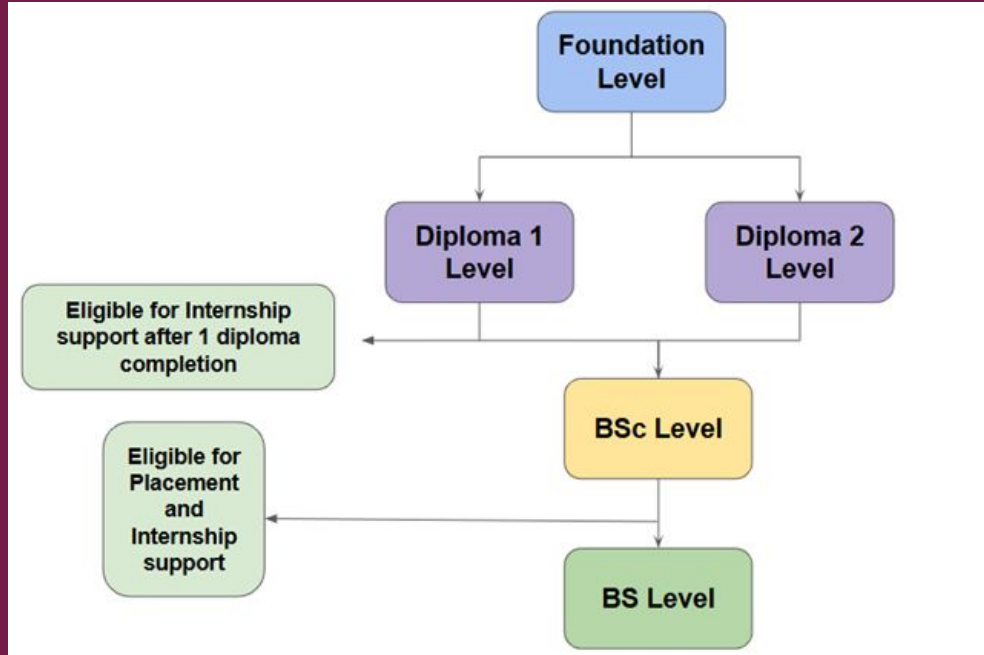
- Sponsor exam fees for students in Tier 2 and Tier 3 cities, female students pursuing STEM courses
- Support Pre-Doctoral Fellowships to provide a pathway for NPTEL Stars to pursue advanced research opportunities
- Support NPTEL topper students to pursue Internship with course offering faculty. This provides students with research experiences with the faculty from IITs/IISc/IISER/IIIT/other course offering institutes
- Support NPTEL to train students to develop soft skills and get them job-ready

- **BS Programs:**

- Sponsor tuition fees for students with family income < 5LPA
- Provide laptop support to students pursuing BS Program

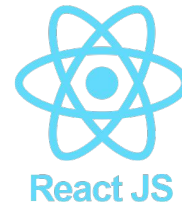
7.5 Hire from the BS program

Placements, Internships & Apprenticeship



- Throughout the year student availability
- Students across locations
- Specialised Skills
- Average Internship Stipend **28000 PM**
- Average Placement CTC **8.5 LPA**
- Interviews Facilitated
- **3187+** offers accepted
- Internship Duration: **3 to 6 Months**
- Apprenticeship Duration: **8 Months**

Tools and Skills

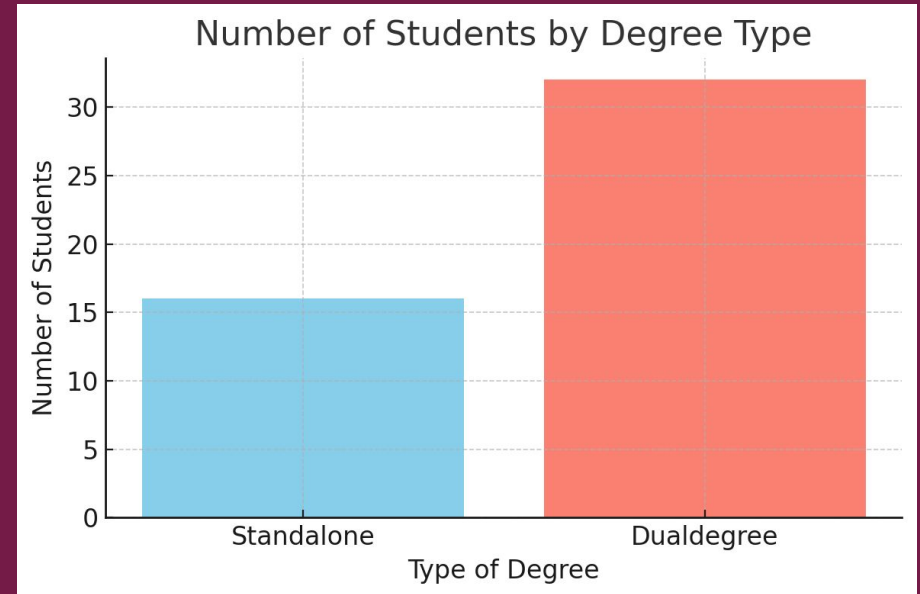
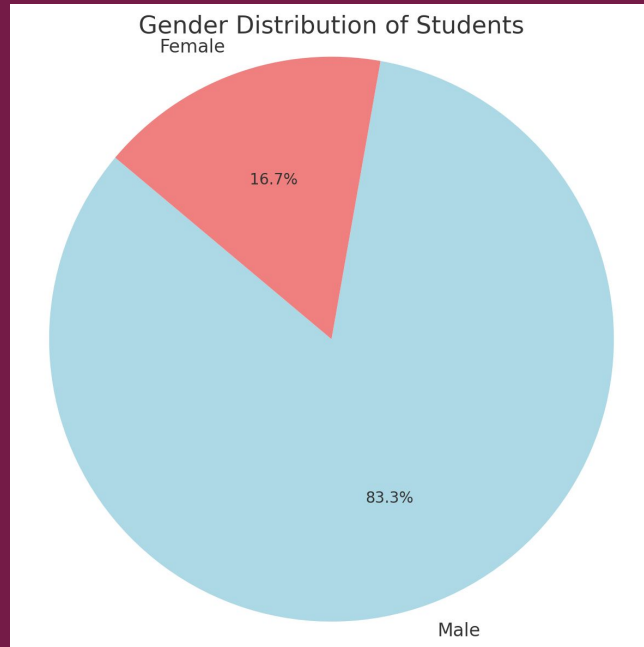


Current Eligible Student Diversity

Total Number of students available for Internship & Placement: 48

Number of students available for Internship - **31**

Number of students who are available for Full Time - **17**



Candidates suitable for

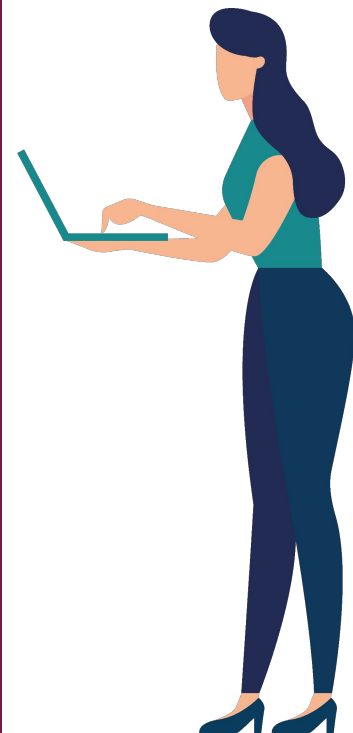
Jobs

- Data Scientist
- Business Analyst
- Data Analyst
- Data Engineer
- Software Engineer
- Full Stack Developer
- Front End Developer
- ML Engineer
- R&D Software Engineer
- Python Developer



Internships

- Data Analyst Intern
- Data Science Intern
- Generative AI Intern
- HR Analytics - Intern
- Market Research Intern
- Software Developer Intern
- AI Engineer - Intern
- Machine Learning Intern
- AI Research Intern
- LLM Intern
- Strategy and Planning Intern



Prominent Recruiters

 <p>ADITYA BIRLA GROUP</p>	 <p>SAINT-GOBAIN</p>	 <p>TRINITY</p>	 <p>Cargill®</p>	 <p>Petavue</p>	 <p>Medi Assist®</p>
 <p>Dave AI</p>	 <p>iTech</p>	 <p>logitech</p>	 <p>KYRO</p>	 <p>Dom Ventas</p>	 <p>sabio HOLDINGS TSXV: SBIO</p>
 <p>SymphonyAI</p>	 <p>REBEL FOODS</p>	 <p>syngenta</p>	 <p>tcs Research</p>	 <p>AI4BHARAT</p>	 <p>DHL</p>
 <p>worley DELIVERING SUSTAINABLE CHANGE</p>	 <p>Marsh McLennan</p>	 <p>NISSAN</p>	 <p>TECH mahindra</p>	 <p>YMA ANALYTICS</p>	 <p>Deloitte.</p>



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