

IITM CODE Chapters

A Proposal for Colleges & Universities to Partner with IITM

Collaboration models

UGC: permits a physical degree + online diploma/degree

IITM CODE Chapters in eligible colleges and universities

Degree in physical college

+

Diploma/Advanced Certificate from IITM

IITM CODE Chapter - Eligibility

- Any government college or university.
- A private institution must meet the following criteria at the time of signing the MoU:
 - Be accredited by NAAC with an 'A grade' or above.

Why become an IITM CODE Chapter

- Role/benefits to the institution
 - Improve skills and employability of students through IITM Diploma
 - Provide infrastructure/mentoring to students with an appropriate facilitation fee
 - Limited access to use IIT Madras name and logo for promoting the combined program
- Exclusive faculty training for partner colleges
 - 2 faculty from colleges/universities can register per course for free
 - Go through the regular course and complete all course requirements
 - In-person training at IITM campus
 - Master trainer certificates upon successful completion (max: 3 per faculty)
 - Trained faculty shall mentor students during their coursework
 - Based on student success, mentor certificates for faculty
 - Access to workshops, boot camps, and events

Special Benefits to IITM CODE Chapter Students

- No Qualifier exam to join the program
 - Fee savings of Rs. 3000
- Exemption from select Foundation level courses
 - Additional fee savings of Rs. 8000 to Rs. 16000
- Students of any year can join and pursue the diploma
- Mentoring from own college faculty certified by IITM

UG degree with IITM Diploma in Programming

	IITM	College/University*
Year 1, Sem 1 / Sep term	Math 1, Computational thinking	Math, Programming for problem solving
Year 1, Sem 2 / Jan term	Stats 1, Python	Math, Python
Year 1, Summer / May term	Arrears/Improv	
Year 2, Sem 1 / Sep term	PDSA	Data structures, Node JS, React JS, Django
Year 2, Sem 2 / Jan term	DBMS, System Commands	Database management systems, OOP with Java
Year 2, Summer / May term	Modern App Dev 1, Prog concepts with Java	
Year 3, Sem 1 / Sep term	App Dev 1 Project*	Algorithms
Year 3, Sem 2 / Jan term	Modern App Dev 2	
Year 3, Summer / May term	App Dev 2 Project*	

Application fee waived

Qualifier not required

CG > 6.0 required in IITM courses to register for Diploma-level courses

Without projects - IITM Advanced certificate in data science

College/University shall enable credit transfer as electives if not completed fully

Option of pursuing a minor from IITM after completion of diploma

*Sample course comparison with CS

UG degree with IITM Diploma in Data Science

	IITM	College/University*
Year 1, Sem 1 / Sep term	Math 1, Computational thinking	Math, Programming for problem solving
Year 1, Sem 2 / Jan term	Stats 1, Python	Math, Python
Year 1, Summer / May term	Math 2 / Arrears/Improv	
Year 2, Sem 1 / Sep term	Stats 2 / Arrears/Improv	Math & Stats Foundations
Year 2, Sem 2 / Jan term	MLF	Intro to AI
Year 2, Summer / May term	MLT, BDM	
Year 3, Sem 1 / Sep term	MLP, BA	Machine Learning
Year 3, Sem 2 / Jan term	TDS, MLP project*	Data Analytics
Year 3, Summer / May term	BDM project*	

Application fee waived

Qualifier not required

CG in Math1 & Stats 1 > 7.0
required for Math 2 & Stats 2

**CG > 6.0 required in IITM courses to
register for Diploma-level courses**

Without projects - IITM Advanced
certificate in data science

College/University shall enable
credit transfer as electives if not
completed fully

Option of pursuing a minor from IITM
after completion of diploma

*Sample course comparison with CS

Fees

- **Foundation level courses**

- Programming: Math 1, Stats 1, CT, Python
- Data Science: Math 1, Stats 1, CT, Python, Math 2, Stats 2
- Rs. 4000 per course

- **Diploma level courses**

- Programming
 - DBMS, PDSA, Java, MAD1, MAD2: Rs. 10000 per course
 - System Commands: Rs. 7500
 - App Dev 1 project, App Dev 2 project: Rs. 2500 per course
- Data Science
 - MLF, MLT, MLP, BDM, BA: Rs. 10000 per course
 - Tools for Data Science: Rs. 7500
 - BDM project, MLP project: Rs. 2500 per course

- **Total (pay only for registered courses in every term)**

- Diploma in programming (43 credits): Rs. 78500
- Diploma in data science (51 credits): Rs. 86500

- **Fee support from IITM**

- 50% for all SC/ST/PwD students & OBC-NCL/EWS students with family income < Rs. 5 LPA
- 75% for SC/ST+PwD students & OBC-NCL/EWS students with family income < Rs. 1 LPA

How to partner? Become IITM CODE chapters

- Chapter should assign an SPOC for all communications with IITM
 - Can be an additional role for NPTEL SPOC
- Chapter should provide facilities to the students to enable the IITM non-campus diploma along with the physical degree
 - Time table with periods allotted for both programs
 - Exam schedule to avoid clashes
 - Mentors for individual courses and projects
 - Any other facility that will help the students
- Chapter can advertise for the combined program admissions
 - IITM diploma depends on the progress made by the student
 - If the student does not complete the diploma, there should be a mechanism for credit transfer to the physical degree program
- Chapter can collect a facilitation fee from students who enrol for both programs
 - IITM will not be involved in deciding or collecting the facilitation fee
 - IITM course fee will be paid by the student directly to IITM
 - Student progress can be monitored on the portal by the chapter SPOC

Important Terms

- Enrolling in IITM programs **cannot be made mandatory** for students. The decision to continue or pursue the course will be at the discretion of the student.
- **Placement support** for learners enrolled in IITM courses and programs through this MoU shall be provided **by the learner's host institute** where they are pursuing their degree in physical mode. IITM will not be providing any additional placement support for these learners.
- Branding & Promotions - The use of the name and logo of IIT Madras will be permitted only in a limited and pre-approved manner for promotional materials associated with the IITM CODE chapters
- The following details about the partnership with IITM will be publicly available on the CODE Chapters website.
 - The number of students who have qualified to join the Diploma level and their median CGPA
 - The number of students who have completed the Diploma level and their median CGPA
- MoU shall be renewed after review by an IITM committee