

Topics to be covered

- First order Logic
- Proof Techniques
- Relations and Functions
- Counting and Infinite Sets
- Graph Theory

Interactive tutorials sessions will be conducted every day to test drive the above topics.

	9.30-10.30	11.00-12.00	2.00-3.30
July 27	Motivation Logic	Logic	Problem Session
July 28	Proof Tech	Proof Tech	Tutorial
July 29	Relations	Functions	Case Studies
July 30	Infinite Sets	Infinite Sets	Problem Session
July 31	Graph Theory	Graph Theory	Problem Session

All lectures shall be delivered through GMeet. E-materials shall also be provided to all participants

About the course (DM2026)

Discrete Mathematics is the mathematical bone of computer science, and this short term course shall help you to get complete command of it; from mathematical thinking to abstract models to graph theory.

The course offers a good mathematical rigor coupled with higher-order thinking.

By the end, you will learn the complete spectrum of discrete mathematics essential for computer science.

Talks shall be handled by experts from IITs/NITs/IIITs. There will be problem sessions/tutorial sessions for each topic.

Course content is in line with the syllabus of the undergraduate course Discrete Mathematics offered by most of the institutes in India.

Registration

Faculty/ Students/Research Scholars

. Rs.1000.

SBILink: [State Bank Collect](#)

Following are the steps wise procedure :

<https://www.onlinesbi.sbi/sbicollect/> (SBI e collect -Educational Institute-Tamilnadu-IIITDM Educational Event-**DM2026**- Category (Faculty/Student/Industrialist)-pay

Registration Link:

<https://forms.gle/YPr9Uy118a6aGCdo9>



IIITDM
KANCHEEPURAM

organizes a 5 day Short term course on

Discrete Mathematics for Computer Science

July 27 to July 31, 2026

IIITDM Kancheepuram, a centrally funded institute offers UG and PG programs in CSE/ECE/ME with the mandate of excelling in IT and IT enabled Design & Manufacturing pedagogy and research. Also, Ph.D programmes in core areas of engineering More details at www.iiitdm.ac.in

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