

**Training of Teachers in Mathematics**  
**26<sup>th</sup> Feb. to 2<sup>nd</sup> March 2023**  
**IIT MANDI**

			Activity	Time
Day 1		Sunday, 26th Feb	Registration (TAs)	9.15-9.45- am
			Introductory session (All Maths faculty) Welcome address (Sarita Azad)	9.45- 10.15 am
			Mathematics Education: Obstacles and Challenges Experienced by Teachers. Prof. Manoj Thakur	10.15-11.45 am
Tea break 11.45-12.00 pm				
			Set, and Functions Dr. Saswata Adhikari	12.00-1.00 pm
Lunch 1-2 pm				
			Method of Proofs Fundamental Principles Dr. Sampat Kumar Sharma	2-3.30 pm
Tea Break 3.30-3.45 pm				
			Prime Numbers Dr. Sampat Kumar Sharma	3.30 -5.00 pm
Day 2		Monday 27th Feb	Introduction to Calculus and its applications in real-life. Dr. Anil Kishan	9-10.30 am
Tea break 10.30-10.45 am				
			Cont. Dr. Anil Kishan	10.45-1.00 pm

Lunch break 1-2 pm				
			From basic understanding of matrices to real-life applications Dr. Dheeraj Dube	2-3.30 pm
Tea-break 3.30-3.45 pm				
			Cont. Dr. Dheeraj Dube	3.45-5.00 pm
Day 3		Tuesday 28th Feb	Learn to think abstractly 1-(Higher) Dimensions 2- Geometry Dr. Samir Shukla	9.30-10.30 am
Tea break  10.30-10.45 am				
			3-Some special functions (exponential, logarithmic etc.) 4-Determinants  Dr. Samir Shukla Cont.	10.45-1 pm
Lunch break 1-2 pm				
			Inaugural function at A18  Followed by high tea  With directors, maths faculty, school chair and deans.  Vote of thanks by School Chair SMSS.	2-3.30 pm
			Inverse trigonometric functions  Dr. Saswata Adhikari	3.30-5.00 pm
Day 4		Wednesday 1 <sup>st</sup> March	Introduction to probability  Dr. Sarita Azad	9.00-10.30 am
Tea break 10.30-10.45 am				

			Activity on probability Dr. Sarita Azad Cont.	10.45-1.00 pm
Lunch break 1.00-2.00 pm				
			Foundation day celebration	2.00-5.00 pm
Day 5		Thursday 2 <sup>nd</sup> March	Decision making using Mathematics. Prof. Manoj Thakur	09:00-10.30 am
			Tea break 10.30-10.45 am	
			From Algebra to Geometry: Linear Equations and Graphs Prof. Manoj Thakur	10.45-12.00 pm
			Introduction to Differential equation. Dr. Preeti	12.00-1.00 pm
Lunch break 1.00 -2.00 pm				
			Applications of Integrals  Dr. Sarita Azad	2.00-4.00 pm
			Valedictory and feed back	4.00-5.30 pm