

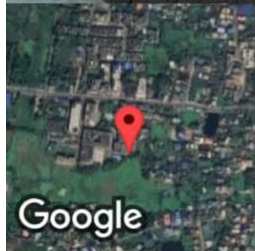
Event: Seminar on **Mathematics in AI (14.02.2025)**

Venue: Main Auditorium FIEM, Sonarpur

Host: Basic Science & Humanities department

Participation: All faculty members of the Institute and 1<sup>st</sup> Year Students

Basic Science & Humanities department organized a seminar on Mathematics in AI on 14.02.2025 at FIEM, Sonarpur. The talk was delivered by in house resource Prof. Tanmay Joarder, Assistant Professor, FIEM, Kolkata, The target audience was B.Tech 1st year students. The speaker enlightened the students about the applications as well as different features and types of Artificial Intelligence. He emphasized in exploring the role of Mathematics in building models of Artificial Intelligence. The speaker explained the different topics of Mathematics viz. Linear Algebra, Calculus, Probability and Statistics as the key components behind AI models. The programme was convened by Dr. Moumita Bhunia. The program concluded with vote of thanks by Dr. Rupa Bhattacharyya.

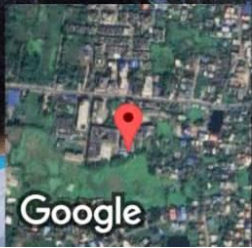


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54, Sonarpur Station Rd, Mission Pally, Sonarpur, Kolkata,  
Rajpur Sonarpur, West Bengal 700103, India  
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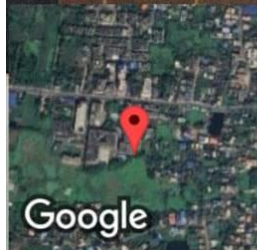
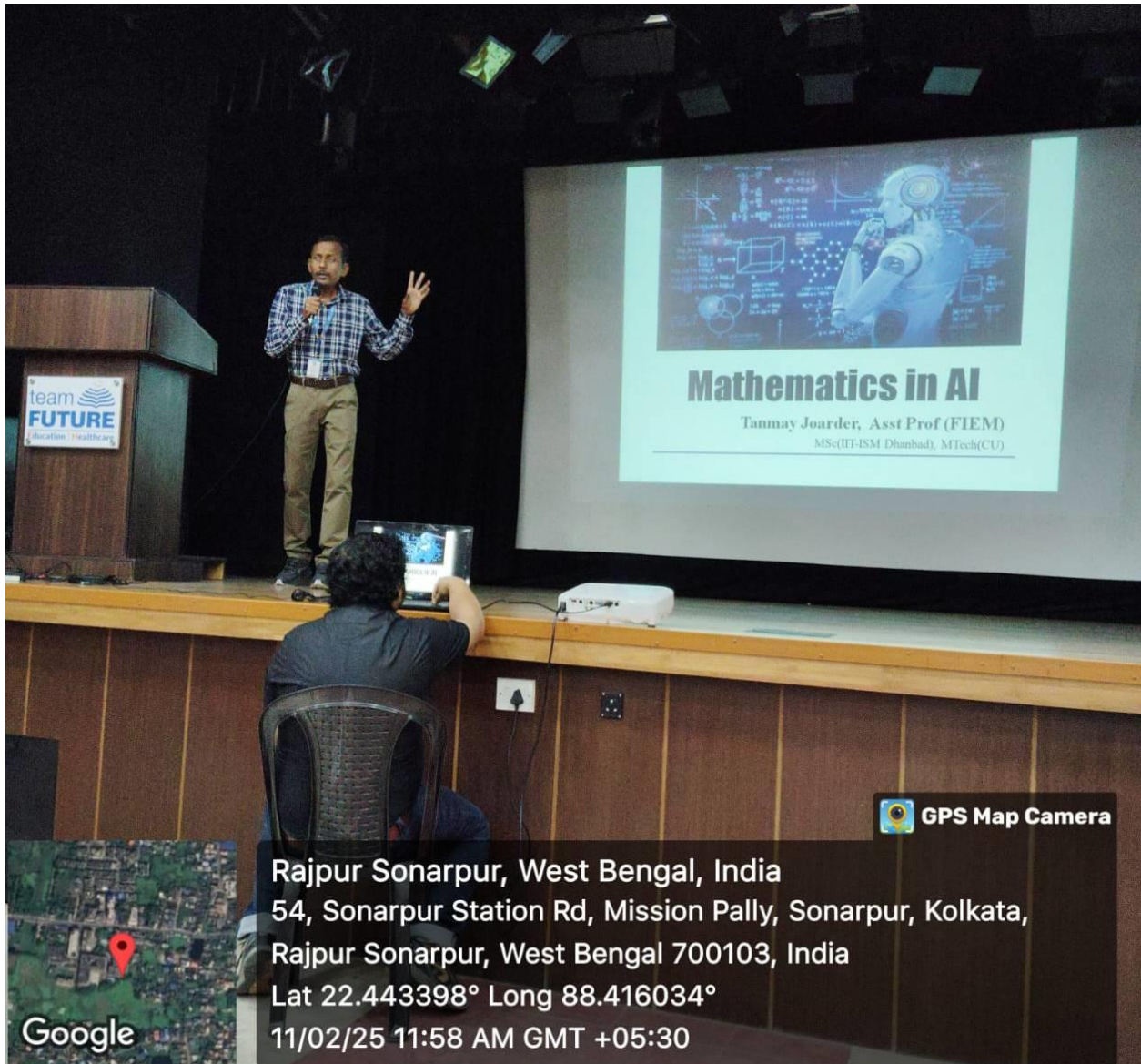
GPS Map Camera



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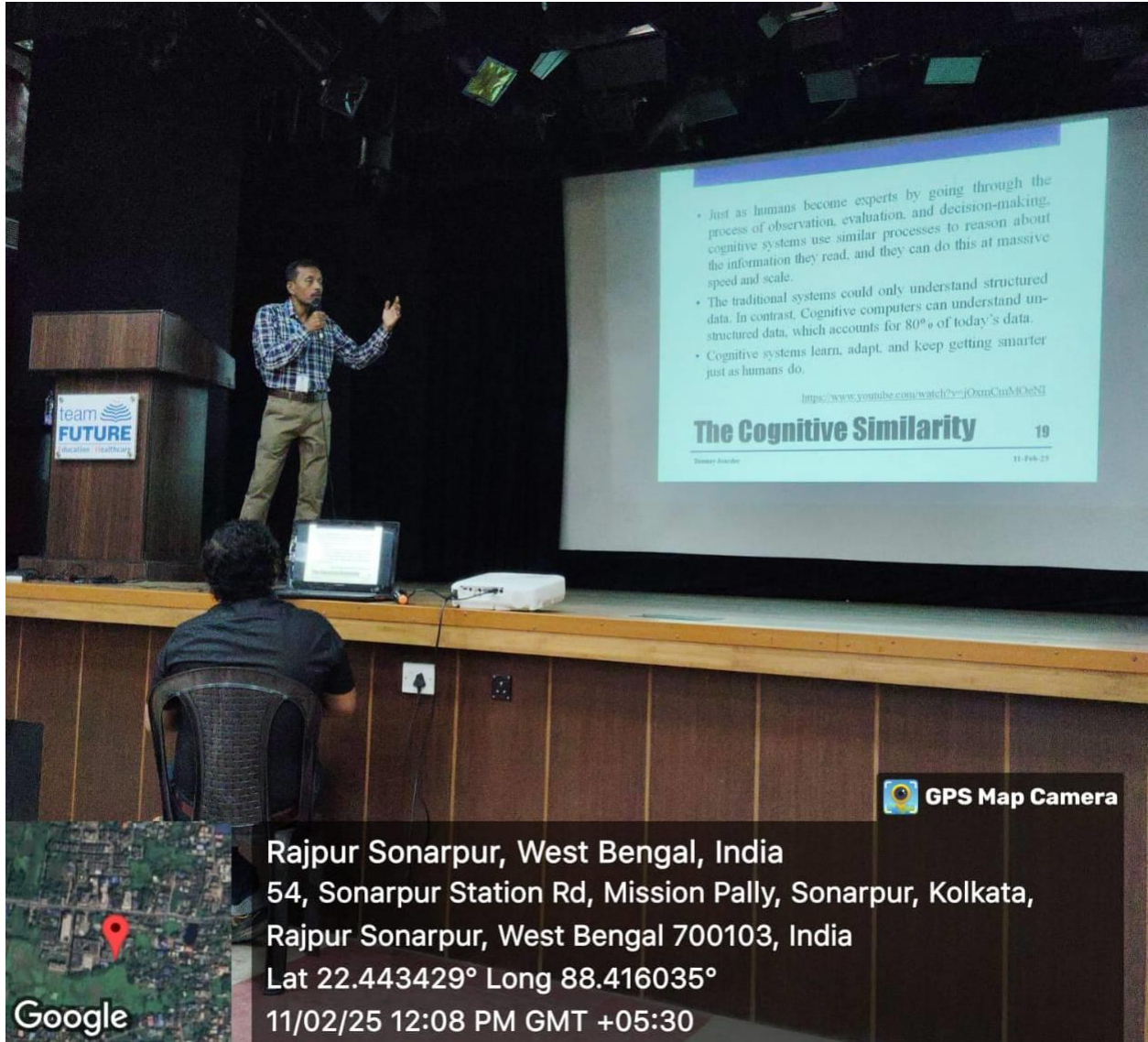


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- Just as humans become experts by going through the process of observation, evaluation, and decision-making, cognitive systems use similar processes to reason about the information they read, and they can do this at massive speed and scale.
- The traditional systems could only understand structured data. In contrast, Cognitive computers can understand un-structured data, which accounts for 80% of today's data.
- Cognitive systems learn, adapt, and keep getting smarter just as humans do.


<https://www.youtube.com/watch?v=jOxmCm5MOeSI>

## The Cognitive Similarity

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Demetri Stachler

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