

REPORT ON SPECIAL LECTURE ON AI

- **TITLE OF PROGRAMME: Technological Innovations and Future Trends in Geography**
- **THEME OF THE EVENT/ PROGRAMME: Special Lecture**
- **ACADEMIC SESSION: 2024-2025**
- **DATE: 6th May, 2025**
- **VENUE: Lab 2, 3rd floor, Asutosh College**
- **OBJECTIVE/ PURPOSE: To familiar the students of post-graduation with the application of AI in Geographical studies.**
- **SPEAKER/S / RESOURCE PERSON/S: Dr. Swapan Talukdar, Assistant Professor, Department of Geography, Asutosh College.**
- **TARGET AUDIENCE/ PARTICIPANTS: PG SEM-II students of the department**
- **ATTENDANCE SHEET: Attached below**

SL NO	NAME OF STUDENTS	SEMESTER
1	Annabi Bhattacharjee	M.Sc (2nd Sem)
2	Chandrani Mistry	M.Sc (2nd Sem)
3	Pratikha Das	M.Sc (2 nd Sem)
4	Sahali Paul	M.Sc (2 nd Sem)
5	Tayeta Dey	M.Sc (2 nd Sem)
6	Manisha Singha	M.Sc (2nd Sem)
7	Deepshikha Karjee	M.Sc Sem II
8	Moou Banu	M.Sc (Sem II)
9	Sohani Jati	M.Sc (Sem II)
10	Ankur Malak	M.Sc (Sem - II)
11	Ayan Biswas	M.Sc (Sem II)
12	Sounav Pradhan	M.Sc. (Sem II)
13	Suchetana Mukherji	M.Sc (Sem II)
14	Writi Seth	M.Sc (Sem II)
15	Liru Digol	M.Sc (Sem II)
16	Ritika Singha	M.Sc (Sem II)
17	Akash Singh	M.Sc (Sem II)
18	Shreyasi Baidya	M.Sc (Sem II)
19	Sreeranjani Ghosh	M.Sc (Sem II)
20	Rimmon Ghosh	M.Sc (Sem II)
21	Samrat Dutta	M.Sc (Sem II)

SL NO	NAME OF STUDENTS	SEMESTER
22.	Tuhin Sandan	M.Sc SEM-II
23	Tiasha Pal	M.Sc SEM-II
24	Bidipya Maity	M.Sc Sem-II

➤ BRIEF REPORT ABOUT THE EVENT/ PROGRAMME:

The Department of Geography at Asutosh College organized a special lecture titled "Technological Innovations and Future Trends in Geography" as part of its academic enrichment initiatives for the session 2024–2025. The event was held on 6th May, 2025, in Lab 2, 3rd floor of the college premises. This academic programme was specially designed to introduce and familiarize Postgraduate Semester II students with the applications of Artificial Intelligence (AI) in geographical studies. The session was conducted by Dr. Swapan Talukdar, Assistant Professor, Department of Geography, Asutosh College, who delivered an insightful and interactive lecture. Dr. Talukdar highlighted the paradigm shift in geographical methodologies due to rapid technological advancements, with a focus on AI tools such as machine learning, neural networks, remote sensing integration, predictive spatial modelling, and automated geospatial analysis. The session included real-world case studies, live demonstrations, and discussions on how AI can revolutionize spatial data interpretation and environmental monitoring. Students actively engaged with the content through questions and dialogue, reflecting a deep interest in the evolving scope of the discipline. The programme successfully created an intellectually stimulating environment that bridged theoretical understanding with practical relevance in contemporary geography.

➤ EXPECTED OUTCOME:

Participants were expected to gain foundational knowledge of AI concepts and their relevance to geographical research. The lecture aimed to enhance the students' analytical capabilities, critical thinking, and technological awareness regarding modern spatial tools. The session was also intended to motivate students toward interdisciplinary exploration and to encourage innovation in their future academic and research pursuits. Through this exposure, students were empowered to view geography not just as a

traditional field of study, but as a dynamic and technology-integrated discipline suited for solving real-world problems in a data-driven age.

➤ GEO-TAGGED PHOTOGRAPHS:

Lecture on Technological Innovations & Future Trends in Geography

Presented by
Dr. Swapan Talukdar
Assistant Professor
Department of Geography
Asutosh College
University of Calcutta

Modern Technologies

Remote Sensing, Radars and Satellite Imaging

Cloud

IoT, Smartphones and Social Media

Earthquake

Volcano

Landslide

Tsunami

Natural Disasters