VISIT TO INDIAN METEOROLOGICAL DEPARTMENT, ALIPORE, KOLKATA 2025

- TITLE OF EXTENSION ACTIVITY: Visit to Indian Meteorological Department (IMD)
- THEME PROGRAMME: Experiential Learning
- ACADEMIC SESSION: 2025-2026
- DATE: **31.07.2025**
- VENUE: Indian Meteorological Department, Regional Meteorological Centre, Alipore, Kolkata.
- PURPOSE: To extend an experiential learning to undergraduate students. To familiarize students with the operations of the IMD and its role in weather forecasting and disaster management. To observe the advanced technology and methodologies used in the collection and analysis of meteorological data. To understand the importance of meteorology in geographical studies, particularly in areas such as climate change, natural disasters, and regional weather patterns. To provide insight into career opportunities in meteorology and related fields.
- RESOURCE PERSON/S: IMD Officials
- PARTICIPANTS: UG Semester IV
- ATTENDANCE SHEET: Attached below

IMD VISIT (31/07/2025)

ASUTOSH COLLEGE, DEPARTMENT OF GEOGRAPHY

	NAME OF THE STUDENTS	COLLEGE ROLL NO.	Signature
①	SARTHAK MALLICK	1413	Sarthak Mallick
②	SUJATO DAS	1375	Sujato Das
③	Siddhartha Saha	1409	Siddhartha Saha
④	Soumya Bahadyal	1415	Soumya Bahadyal
⑤	Prodhan Soren	1455	Prodhan Soren
⑥	Surya Sekhar Nag	D509	Surya Sekhar Nag
⑦	Disha Ghosh	704	Disha Ghosh
⑧	Soumyadeep Saha	711	Soumyadeep Saha
⑨	Subhadip Das	965	Subhadip Das
⑩	Simran Rejak	1435	Simran Rejak
⑪	Fiza Mistri	1471	Fiza Mistri
⑫	Tiyasa Mukherjee	1459	Tiyasa Mukherjee
⑬	Anumita Das	1371	Anumita Das
⑭	Tithi Das	1467	Tithi Das
⑮	Suvecha Majumdar	1469	Suvecha Majumdar
16	Nupur Das	1429	Nupur Das
17	Sneha Halder	1453	Sneha Halder
18	Ankita Mondal	1451	Ankita Mondal
19	Sreshtha Biswas	1449	Biswas
20	PIEU NASKAR	1359	Pieu Naskar
21	Chandrani Banerjee	1011	Chanerjee
22	DEEPJYOTI PARUI	997	Parui
23.	Joyeeta Mukherjee	1379	Joyeeta Mukherjee
24.	Diptadeep Ghosh	1365	Dghosh
25.	Debojyoti Biswas	1381	Debojyoti Biswas
26.	Soumik Mallick	1421	Soumik Mallick
27.	Sumayan Hazra	0206	S.H
28.	Kanak Mondal	1475	Kanak Mondal
29.	Tanjeet Patra	1441	T. Patra
30.	Papri Kar	1401	Papri Kar

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31.	Disha Ghosh	1083	Disha Ghosh

NAME OF TEACHERS

1. Dr. Indira Halder — Halder
2. Dr. Subhadip Gupta — 31/07/2025

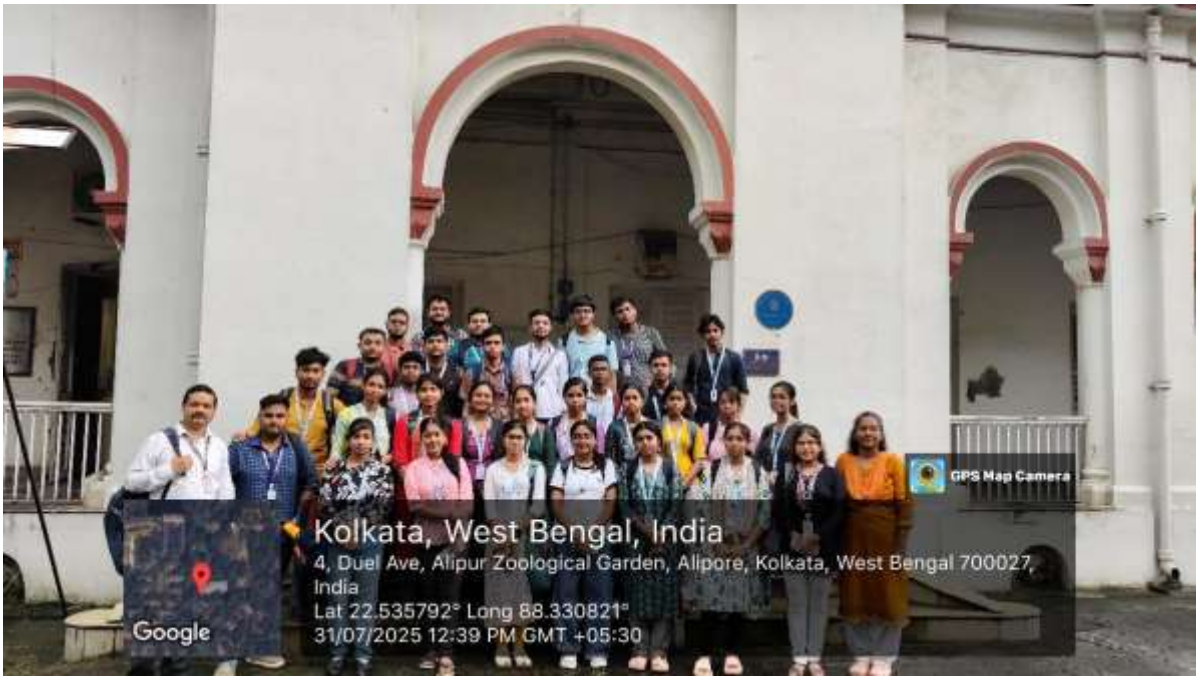
Manmakar 31/07/2025

- BRIEF REPORT ABOUT THE PROGRAMME:

The visit to the Regional Meteorological Centre (RMC) Kolkata provided significant learning outcomes for the Geography Honours students, showcasing the practical application of meteorology in geographic studies. Students observed the operation of Automatic Weather Stations (AWS), collecting real-time data on temperature, humidity, and wind speed. They also witnessed satellite imagery analysis used for weather prediction, helping them connect theoretical concepts with real-world data. A live demonstration of a weather balloon launch showed students how data is collected from different atmospheric layers. The use of Doppler Radar to track cyclones and storms provided insights into the regional impact of weather patterns on geography. Students gained hands-on experience with Numerical Weather Prediction (NWP) models, learning how computers simulate weather conditions. A demonstration of Doppler radar illustrated how meteorologists track precipitation and storms. Students learned how cyclone tracking and flood forecasting are carried out using weather data. They saw case studies where timely warnings helped mitigate the impact of natural disasters like cyclones and floods. Through demonstrations, students understood how weather forecasting aids in agriculture (crop planning based on weather patterns) and aviation (flight safety through real-time weather data). Interactions with IMD meteorologists provided students with insights into careers in meteorology, climatology, and disaster management, sparking interest in pursuing further studies in these fields.

EXPECTED OUTCOME: This visit aimed to provide practical exposure and hands - on – experience in various meteorological instruments and their principles. The visit provided an opportunity to learn about meteorological instruments and weather fore casting model.

- GEO-TAGGED PHOTOGRAPHS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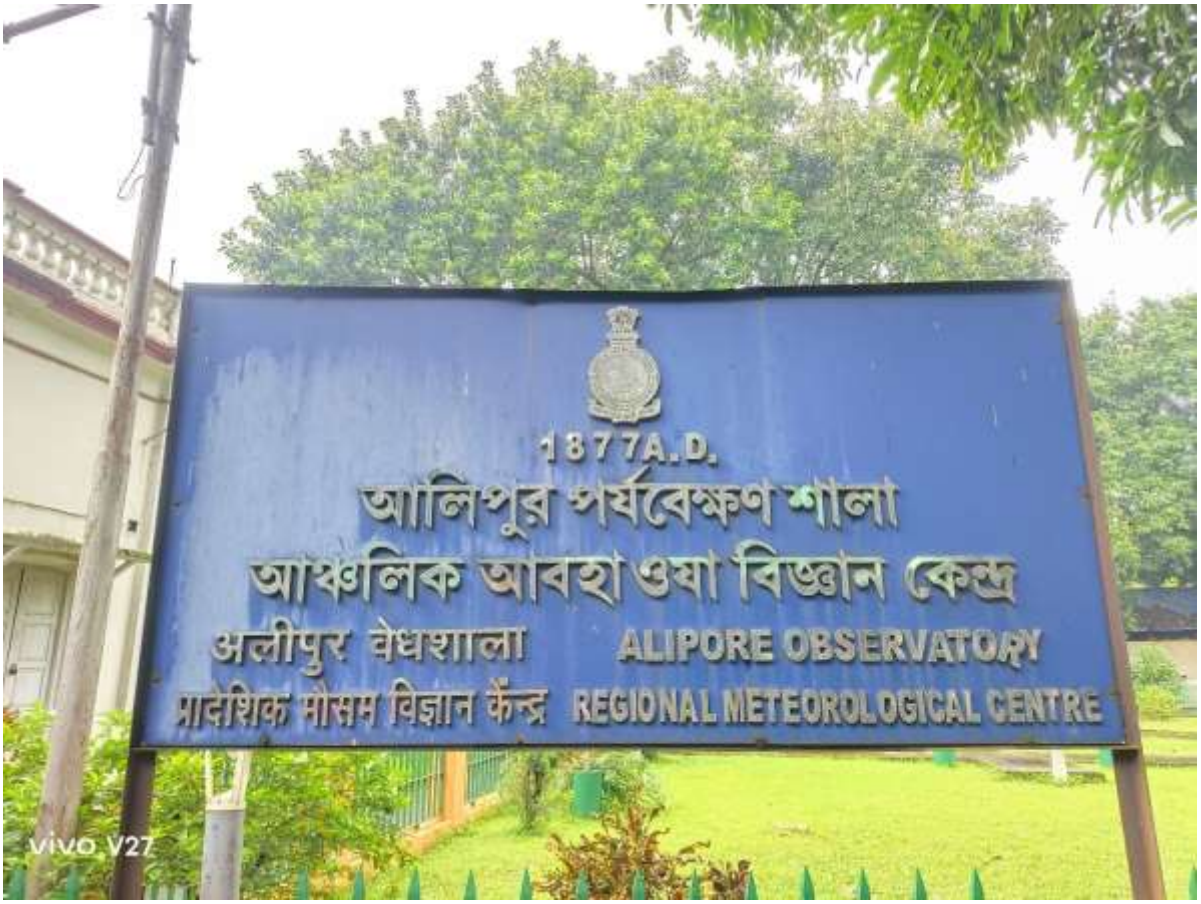
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आंचलिक आवहा ओया विज्ञान केन्द्र
अलीपुर वेधशाला
ALIPORE OBSERVATORY
प्रादेशिक मौसम विज्ञान केंन्द्र
REGIONAL METEOROLOGICAL CENTRE
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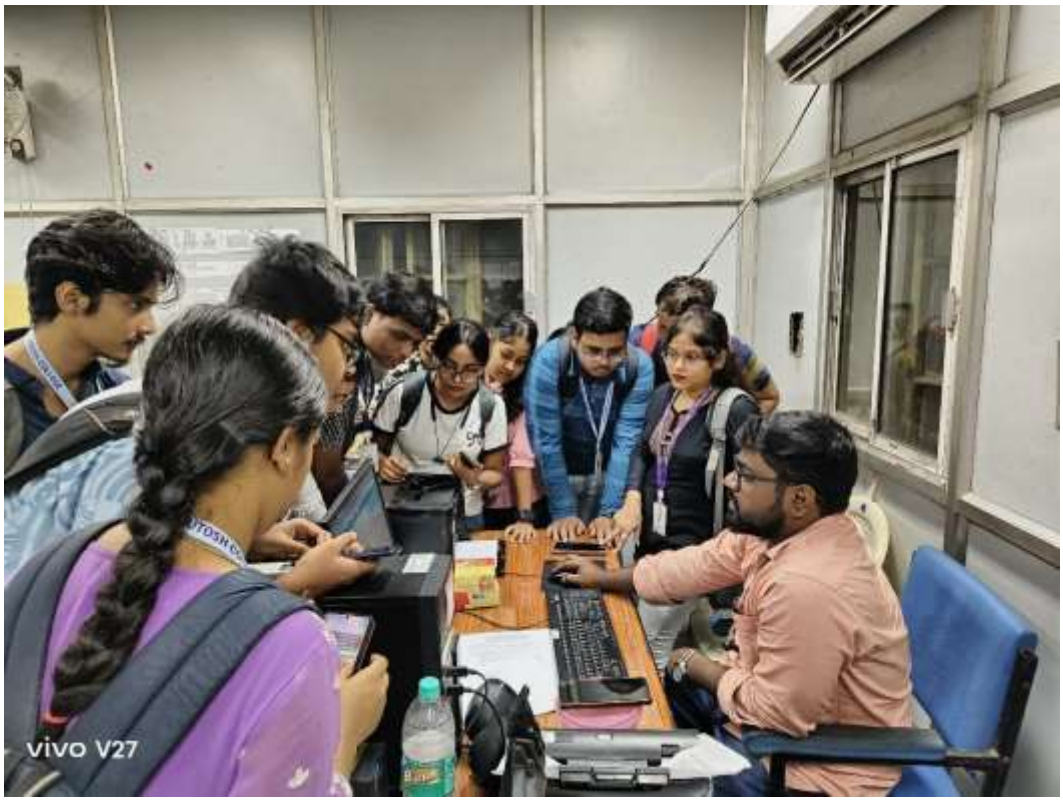
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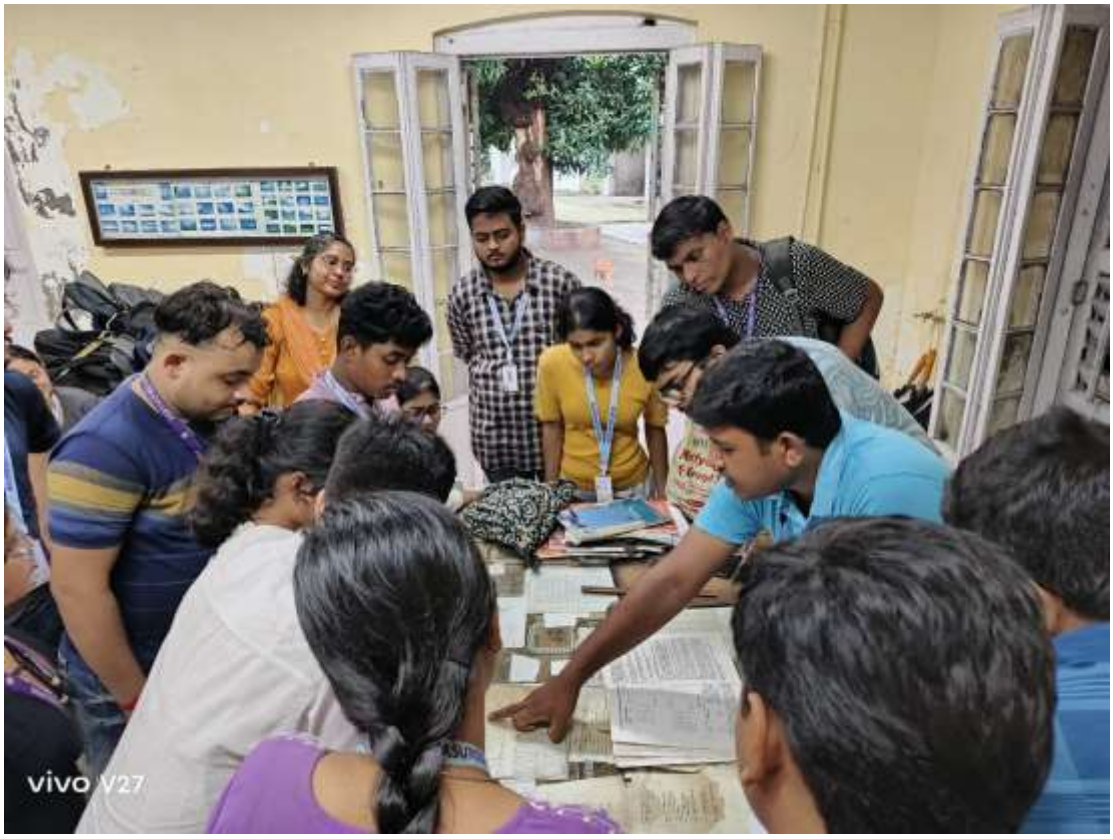
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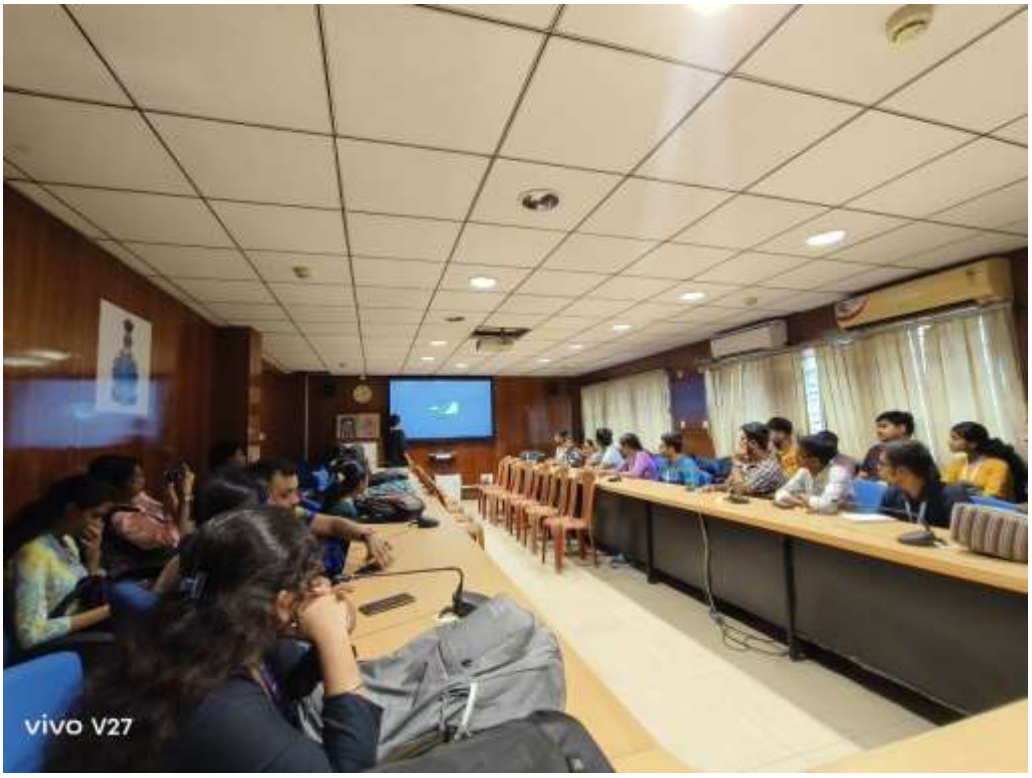
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