

VISIT TO INDIAN METEOROLOGICAL DEPARTMENT, KOLKATA

- TITLE OF EXTENSION ACTIVITY: Visit To Indian Meteorological Department (IMD)
- THEME PROGRAMME: Experiential Learning
- ACADEMIC SESSION: 2024-2025
- DATE: 19.12.2024
- 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 1st Semester
- ATTENDANCE SHEET: See below

Sl. No.	NAME OF STUDENT	COLLEGE ROLL	MOBILE No (WhatsApp)
1.	Ankita Sankar	934	9064780763
2.	Dakshina Mondal	488	9332093088
3.	Ayeswita Bhattacharya	990	8621836667
4.	Ritika Banerjee	876	8972629575
5.	Nirna Hamsam	678	8507926405
	Ritika Das	1285	7679781442
	Megha Ruani	297	8017553979
6.	Nisha Palit	299	9875437970
7.	Jyoti Mallick - Group Leader	646	8337053148
8.	Pallabi Mondal	139	7501100938
9.	Geemili Saha	221	7439889600
10.	Rishika Saha	926	8250350135
11.	Somnidhi Datta	1133	8694493149
12.	Sneha Shaks	0017	8902417465
13.	Kaboni Ball	0202	8918266013
14.	Sachinmita Mitra	0349	8240368106
15.	Somshree Dardhan	0025	8743912529
16.	Suka Pat	0158	877721033
17.	Sohini Bhattacharya	0268	7429990770
18.	Anushka Chatterjee	0882	7439102348
19.	Anoushman Chatterjee	0534	9083835600

Scanned with CamScanner

Sl. No.	NAME OF STUDENT	COLLEGE ROLL	MOBILE No (WhatsApp)
1.	Bilash Nayya	0949	9163656841
2.	Maharshi Paul	0226	8890563362
3.	Sanyasini Basak	0002	8910106270
4.	Vijal Makhad	0720	9332516383
5.	Jeet Bhattacharya	0339	877675689
6.	Sanajit Mandal	0843	8494521733
7.	Anupam Mishra	0654	9091247081
8.	Manish Bhowmik	0738	8972960703
9.	Niladri Mishra	0968	9679166734
10.	Koustav Sitrachari	0953	8927726043
11.	Sagnik Jana	1095	9674099610
12.	Abhinava Patil	2292	9263439362
13.	Aparita Datta	0021	8637079148
14.	Roham Shaha	0772	8637509313
15.	Ananya Ghosh	0921	9153148547
16.	Pritykanta Das	0529	6289682609
17.	Shifani Saha	1255	839589021
18.	Subhasree Chakraborty	0878	9831167923
19.	Abram Biswas	0269	9831168799
Group Leader: 1. Subhasree Chakraborty			
20.	Swarnadeep Biswas	1181	6291454212
21.	Machurima Ghosh	0192	9436483385

Scanned with CamScanner

➤ 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:

