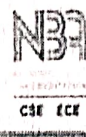




**NALLA NARASIMHA REDDY**

Education Society's Group of Institutions - Integrated Campus

(UGC AUTONOMOUS INSTITUTION)



Date: 11/10/2025.

## DEPARTMENT OF CIVIL ENGINEERING

### A Report on “Visit to Indian Meteorological Department, Begumpet, Hyderabad ”

**Objective:** To gain knowledge about the importance of meteorological data in agriculture, aviation, and disaster management.

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A visit was organized by the Department of Civil Engineering on 10/10/2025 to Indian Meteorological Department, Begumpet, Hyderabad-500016, Telangana, India.

The visit started at 10.15 am with 42 students of III & IV Year Civil Engineering. Mr. Naresh, Asst Professor, accompanied the students for the visit. The Indian Meteorological Department, Begumpet is one of the regional center's under IMD, which operates under the Ministry of Earth Sciences, Government of India. It plays a vital role in weather forecasting, rainfall measurement, climate research and issuing alerts for extreme weather events such as cyclones and floods. The station also assists airports and farmers by providing accurate and timely weather information.

The students viewed various Weather observation and measuring instruments, which likely cover topics related to Hydrology & Water resources engineering. During the visit, students were given a guided tour by Mr. Shridhar (meteorologist) & Mr. Narender (meteorologist). The following key areas and activities were observed:

- Demonstration of weather instruments such as barometer, rain gauge,
- Observation of automatic weather stations and data logging systems.
- Explanation on radar and satellite imagery for weather prediction.
- Visit to the forecasting room where weather maps and charts are analyzed.
- Interaction with meteorologists who explained forecasting models and data interpretation techniques, which highlighted the institute's research contributions in understanding earth systems and their application to societal needs.



The exhibits provided valuable insights related to :

- Weather observation and measuring instruments.
- Satellite-based weather monitoring systems.
- Rainfall and wind analysis equipment.
- Data collection and digital recording systems.
- Forecasting tools and graphical weather charts.

The Open Day not only showcased Indian Meteorological Department but also encouraged students to appreciate the practical significance of scientific advancements in addressing real-world challenges.

The visit to the Indian Meteorological Department, Begumpet, Hyderabad, was highly informative and educational, providing students with practical exposure to meteorological operations. It enhanced their understanding of the importance of weather data in daily life and professional fields. Interaction with experts effectively bridged the gap between theory and practice. We sincerely thank the IMD officials, faculty coordinators, and management for organizing this valuable learning visit.

#### **Output:**

Overall, The visit to the Indian Meteorological Department, Begumpet, Hyderabad, was highly informative and educational. It gave students practical exposure to meteorological operations and an understanding of the significance of weather data in daily life and professional fields. The interaction with experts helped bridge the gap between theoretical knowledge and practical application. The students collected important information in the visit. The students reached the campus by 03.45 PM.





During the industrial visit, Civil Department faculty Mr. Naresh and students actively participated in the program.

*Mr. Naresh*

Mr. Naresh  
Faculty in-charge

*Dr. G. Subba Rao*  
Dr. G. Subba Rao 11.10.2025  
HoD-CE