

Field Trip to Meteorological Department

Department of physics organized a field trip to Meteorological Department in Kurnool on 30th October 2024 with a group of 32 students pursuing B.Sc., Major and Minor Physics. The primary objective of the trip is to enhance the knowledge of physics concepts in meteorology and understanding the working of the instruments used in weather forecasting and telegraph recording system.

Students gained valuable insights into the operational mechanisms and applications of various meteorological instruments. They interacted with experts, clarify the doubts and enhance their understanding of subject.







Kurnool, Andhra Pradesh, India
R24q+5xc, Post Office Rd, Near Birla Gate, Krishna Reddy Nagar, B
Camp, Kurnool, Andhra Pradesh 518002, India
Lat 15.805506° Long 78.039636°
30/10/24 09:39 AM GMT +05:30



Note cam lite
Latitude : 15.80569513142109°
Longitude : 78.03981450386345°
Altitude : 293.0 meter
Date : 10/30/2024 09:11 am
Accuracy : 6.5 meter
Time zone : GMT+05:30
Note : Captured by Note cam



Program Outcomes for Visit to Weather Department:

1. **Understanding Weather Monitoring Systems:** Participants gained insights into the functioning of various weather monitoring instruments and systems used for data collection, such as barometers, anemometers, rain gauges, and hygrometers.
2. **Knowledge of Meteorological Data Collection and Analysis:** Students learned how meteorological data is collected, analysed, and interpreted to forecast weather patterns and climatic conditions.
3. **Exposure to Advanced Technologies in Weather Forecasting:** The visit provided an opportunity to observe the use of advanced technologies, such as satellite imaging, Doppler radar, and automated weather stations in modern meteorology.
4. **Comprehension of Climate Change and Its Impact:** Experts highlighted the effects of climate change on weather patterns and the importance of accurate data in addressing environmental challenges.
5. **Hands-on Interaction with Weather Instruments:** Participants had hands-on interaction with various instruments used for measuring atmospheric parameters, enhancing their practical knowledge.
6. **Understanding the Role of Meteorology in Society:** The visit emphasized the significance of meteorology in various sectors such as agriculture, aviation, disaster management, and urban planning.
7. **Development of Data Interpretation Skills:** Students learned how to interpret weather maps, charts, and graphs, improving their analytical skills and ability to understand complex meteorological data.
8. **Awareness of Career Opportunities in Meteorology:** The visit provided insights into various career paths in meteorology, atmospheric science, and related fields, encouraging students to explore these professions.
9. **Enhancement of Research and Inquiry Skills:** The interaction with meteorologists and researchers fostered curiosity and encouraged students to pursue research in atmospheric sciences and related areas.
10. **Understanding the Importance of Weather in Daily Life:** The visit highlighted the critical role of weather information in daily life, from personal safety to economic planning and disaster preparedness.