

DEPARTMENT OF CIVIL ENGINEERING

Date: 28-8-2019

A REPORT ON INDUSTRIAL VISIT TO INDIAN METROLOGICAL DEPARTMENT

Begumpet, Hyderabad

An Industrial Visit was organized by the department of Civil Engineering to Indian Metrological Department Hyderabad; Purpose of this visit is to earn practical knowledge on the use of Modern Tools and Techniques applied in calculating, estimating of Rainfall data and Serve them to various fields or Organizations in the country.

METEOROLOGICAL CENTRE, HYDERABAD maintains 29 surface Observatories (17 departmental & 12 part-time), 4 pilot balloon observatories, 3 Radiosonde/Rawin observatories, 5 Agricultural observatories, 35 Automatic Weather Stations, 64 Automatic Rain Gauges and 460 Rain Gauge stations managed by State Govts.

IMD serves various other Organisations with its activities as per the needs of the country.

- AGRICULTURAL ADVISORY BULLETINS:
- DOPPLER WEATHER RADAR
- CLIMATOLOGY:
- State Instruments Maintenance Centre (SIMC)
- WEATHER FORECASTING:
- Weather Observations at Hyderabad
- AVIATION:

The Centre was the best source for gaining knowledge to students in terms of climatic conditions using latest technologies such as satellite data acquisition and processing, data dissemination etc... Department support for disaster management such as Floods and Drought conditions by alerting the society about the situations.

The students showed their interest in learning various things such as estimating of Humidity, pressure, in Atmosphere by using different Instruments {Dry Bulb, Wet Bulb, barometer,}

Mr YK Reddy Scientist Head & Director Of IMD had given the permission for this visit, Where Mr Murali Krishna and Mr. Somu naik Scientific Assistants welcomed the students and the faculty member; they have given outline brief explanation about organization and their Importance in serving the Nation.

The students were made to Assemble in front of radar Building where a interactive session was conducted with Students and later on students were made to go through physical models available in the centre, exhibition gallery and Observatories etc...

At the outset, 44 students from III Year Civil Engineering were accompanied with Mr Ch.Pavan kumar, Asst Professor in Civil Engineering Department. The students were happy and they got the practical Exposure about Calculating, Collecting, Estimating and Usage of rainfall data.

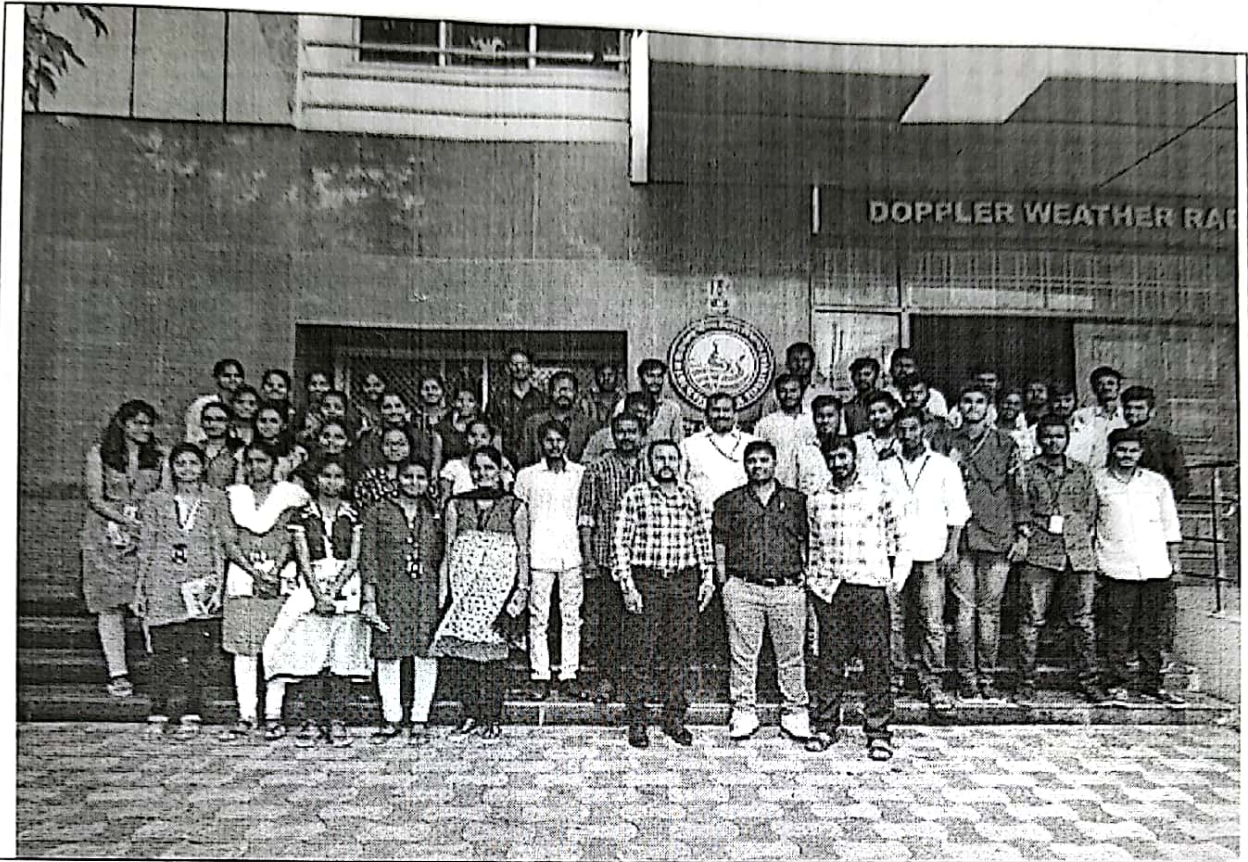
At last, the faculty and students thanked the team for their support and efforts made by them in explaining the various things.

Recommendations: Students expressed their views in the form of feedback, which includes the following:

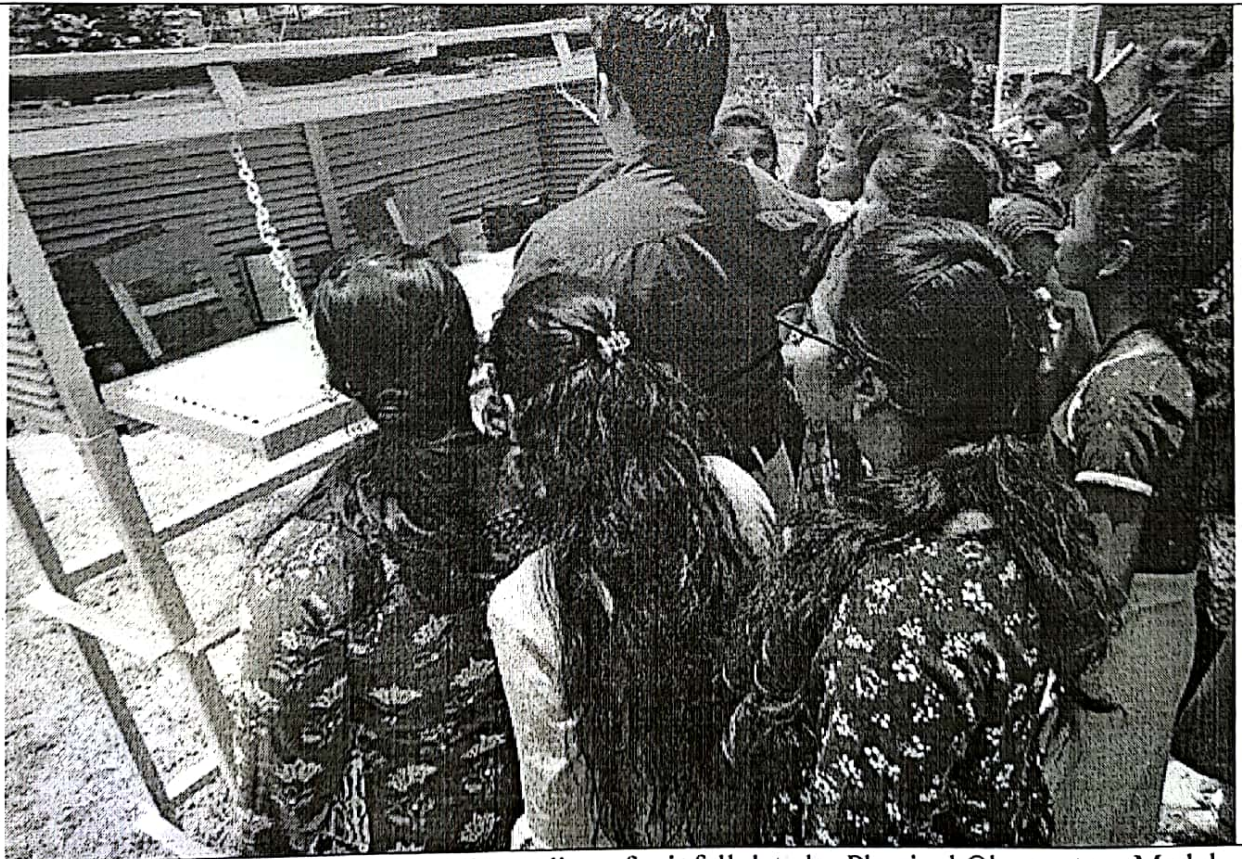
- Expressed their happiness with overall experience of visit
- Students have requested to reorganize similar Industrial visits specifically core related Industrial Visits.
- Students requested for a basic briefing sessions about the visit before.

Action taken:

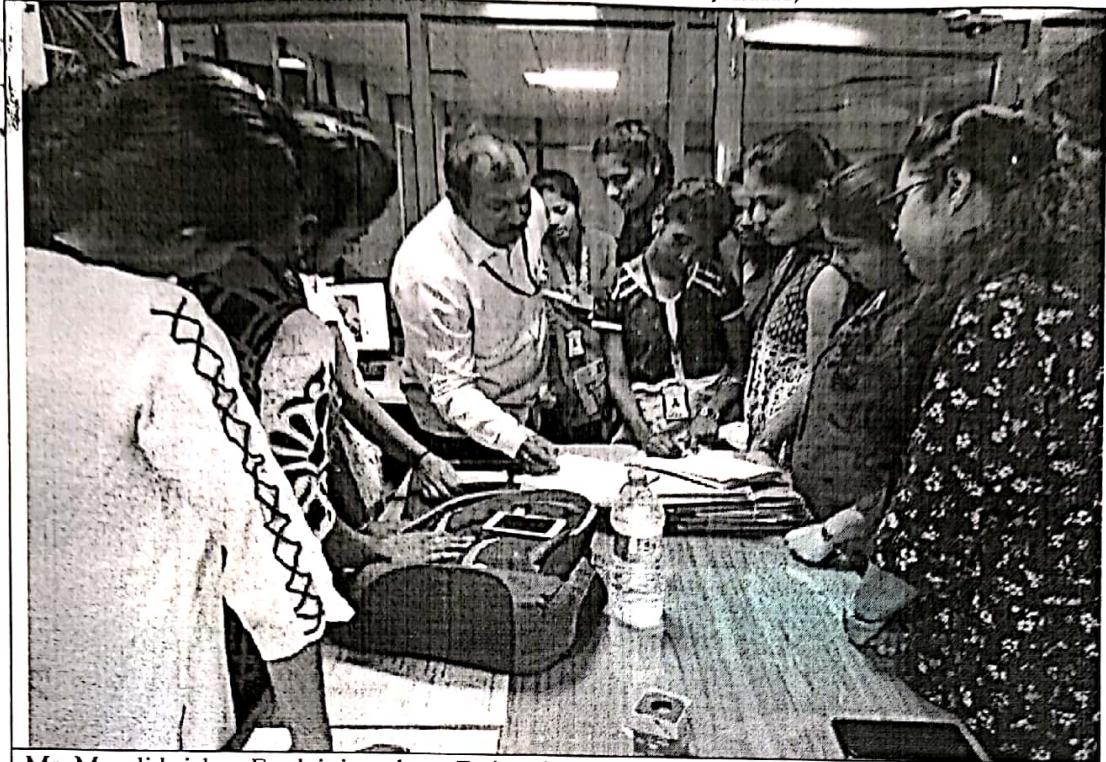
After discussion with the students, the HOD-CE accepted to organize more number of visits in different areas of civil engineering in the forthcoming semester and also to rectify the problems encountered if any.



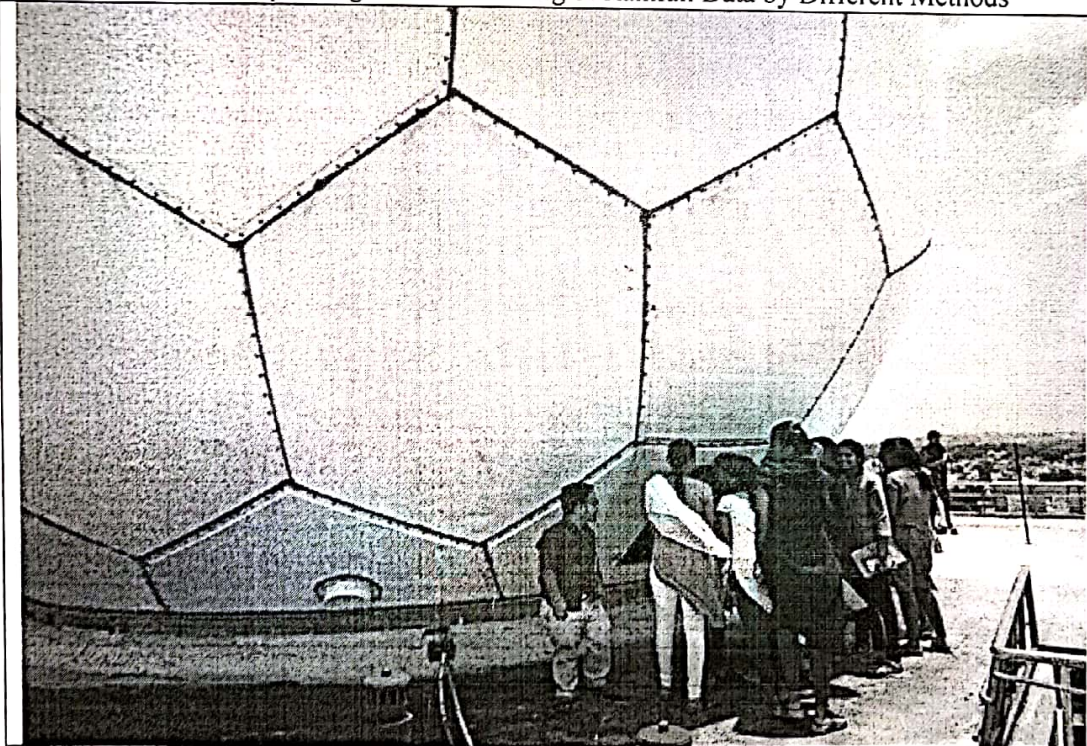
III Year Civil Engineering Students and Faculty Mr CH.Pavan Kumar with Mr Murali Krishna – Scientific Assistant and Mr.Somu Naik – Scientific Assistant



Mr.Somu Naik Explaining about Recording of rainfall data by Physical Observatory Model



Mr. Murali Krishna Explaining about Estimating of Rainfall Data by Different Methods



Mr. Kishore Senior technician Showing Students working of Radar & explaining About Radar

GSP
HOD-CE

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