Report on
Industrial Visit to National Atmospheric Research Laboratory (NARL), Tirupati
Organized by
Department of Computer Science and Engineering
21st April 2023

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Attended Students and Faculty: 50 Students from II CSE B and 2 Faculties from Department of Computer Science and Engineering.

The Industrial Visit started from MITS at 9.30 AM, and it was initiated by the Dr. R. Kalpana, Head of the Department, Computer Science and Engineering.

NARL is an autonomous research laboratory fully funded by the Department of Space, Government of India and involved in carrying out fundamental and applied research in Atmospheric and Space Sciences. It had its humble beginning in 1992 as the National Mesosphere-Stratosphere-Troposphere (MST) Radar Facility. Over the years several complementary techniques such as Rayleigh/Mie lidars, wind profilers have been added. NARL is administered by a Governing Council with Secretary, DOS as the Chairman and Director, NARL as member secretary.

The total 50 Students from II CSE B Section and two faculties (Dr. K.P. Manikandan, Assistant Professor and Dr. S. Kusuma, Assistant Professor) of Computer Science & Engineering Department of MITS College of Engineering, Angallu, visited National Atmospheric Research Laboratory (NARL), a Central Government Institution, Tirupati

The students' visit schedule is as follows.

- 14:00 - 14:30: Power point presentation - NARL introduction. Overview of NARL activities & video

- 14:30 - 16:00: Visit of Automatic Weather station, Balloon launch facility, Lower Atmospheric Wind Profiler, Data Center, High Performance Computing, VHF (MST) Radar, 50 mtr Instrumented Tower. (10 min at each lab.)

- 16:00 hrs: Departure.

Also, the students met the Scientists working in the institute and shared their experiences. The scientists explained the machines used for climate research and their uses to the students.