



ADHI COLLEGE OF ENGINEERING & TECHNOLOGY

Near Oragadam Industrial Estate, Chennai – 631 605

INDUSTRIAL VISIT TO NATIONAL ATMOSPHERIC RESEARCH LABORATORY (NARL)

Third year ECE students have visited the National Atmospheric Research Laboratory, Thirupathi, Andhra Pradesh on 10th August 2018. Mr.R.Kangeyan and Ms.M.Archana, Assistant Professors, ECE has coordinated the visit. We would like to extend my gratitude to management people for giving the opportunity to visit National Atmospheric Research Laboratory, Thirupathi, Andhra Pradesh.

INDUSTRY PROFILE

National Atmospheric Research Laboratory (NARL) at Gadanki near Tirupati, an autonomous society supported by DOS, is a centre for atmospheric research. NARL is involved in technology development, observations, data archival, dissemination, assimilation and modelling. NARL carries out its research activities under seven major groups, namely, Radar Application and Development Group, Ionospheric and Space Research Group, Atmospheric Structure and Dynamics Group, Cloud and Convective Systems Group, Aerosols, Radiation and Trace Gases Group, Weather and Climate Research Group and Computers and Data Management Group. Apart from these groups, there are also specific projects such as the LiDAR project and Advanced Space-borne Instrument Development project.

Topics Discussed

Dr. T. Rajendra Prasad and Dr.V.Ravikiran and their team in National Atmospheric Research Laboratory (NARL) welcomed our students and explained about their activities.

- state-of-the-art MST radar
- Rayleigh/ Mie Lidar, Boundary Layer Lidar, Sodium Lidar
- Lower Atmospheric Wind Profiler
- Sodar
- Disdrometer
- Optical Rain Gauge
- Dual frequency GPS receiver
- Automatic Weather Station
- GPS balloon sonde.

Student`s feedback:

It has very useful to gain a knowledge about the real time atmospheric monitoring, different types of antennas, RADARS and LIDAR techniques.

Photo Gallery:



Group photograph has taken during NARL visit on 10th August 2018