

**Report on
Industrial visit at NARL
Organized by Department of Mechanical Engineering
02.12.2022**



Attended & submitted by: Dr. K.V. Nagesha, Associate Professor, Department of Mechanical Engineering

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About 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 and two faculties (Dr. K.V. Nagesha, Associate Professor and Rajesh Pujary Assistant Professor) of Mechanical 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.

PAPER CLIPS

Wednesday 7 December , 2022
MITS mechanical students visited NARL as part of an industrial visit



(By Our Skyline Staff Reporter)
Madanapalle, December 06: Students and faculty of Mechanical Department of MITS College of Engineering, Angallu, visited the National Atmospheric Research Laboratory (NARL), a Central Government Institution, Tirupati. Principal of the college Dr C Yuvraj said that this program has been arranged for the students of third year B.Tech in this institution

in Tirupati as part of an industrial visit. As part of this, the students met the scientists working in the institute and shared their experiences. On this occasion, the scientists explained the machines used for climate research and their uses to the students. On this occasion, he informed the students that there are many job and research opportunities for the students in the mechanical field and not to take this field lightly.

The students were briefed on drone technology, its performance and its ups and downs. He said that students will be allowed to do industrial projects as part of their studies. Dr Muppa Lakshmana Rao, Head of Mechanical Department of Meteorological Research Institute thanked them for providing this opportunity. Associate Professor KV Nagesh and Pujari Rajesh participated in this program.