SIDDARTHA EDUCATIONAL ACADEMY GROUP OF INSTITUTIONS
AUTONOMOUS
(Approved by the AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
An ISO 9001: 2015 & ISO 14001 : 2015 certified Institution
Near C. Gollapalli, TIRUPATI – 517 505 Andhra Pradesh

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Electronics and communication and engineering

National atmospheric research laboratory (NARL)Visit

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 Radar Facility (NMRF). 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 Governing Council sets broad policy guidelines for NARL. A Scientific Advisory Committee consisting of eminent scientists in the field of atmospheric science, monitors the research activities and progress of NARL and provides future directions.

NARL has now become one of the prime centers for atmospheric research in the country and operates a state-of-the-art MST radar, Rayleigh/ Mie Lidar, Boundary Layer Lidar, Sodium Lidar, Lower Atmospheric Wind Profiler, Sodar, Disdrometer, Optical Rain Gauge, GNSS-NavIC receiver, Automatic Weather Station apart from regular launching of the GPS Radiosonde. Being relatively young, NARL's research activities are spearheaded by a team of young and vibrant fulltime research scientists and students. This web site provides some salient features of the activities and experimental facilities available for national and international collaborative research work.

National Atmospheric Research Laboratory (NARL), India

- **Location:** Gadanki, near Tirupati, Andhra Pradesh

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- **Primary function:** Conducts fundamental and applied research in atmospheric and space sciences
- **Key activities:**
  - Weather and climate research, including preparing real-time weather forecasts for the South Asian region
  - Developing and implementing new weather forecasting methods
  - Research on various atmospheric parameters and phenomena like thunderstorms, cyclones, and heavy rainfall
  - Uses a variety of techniques, such as MST radar, lidars, and wind profilers
- **Research groups:** Activities are organized under seven major groups, including weather and climate, ionospheric research, and aerosols and radiation
- **Funding:** Fully funded by the Department of Space, Government of India

National Applied Research Laboratories (NARLabs), Taiwan

- **Location:** Taiwan
- **Primary function:** Supports Taiwan's biomedical research and biotechnology industry
- **Key activities:**
  - Provides resources for pre-clinical animal studies
  - Develops core technologies for precise biomedical research
  - Offers technical services and educational training programs
  - Has established a joint platform with the Institute of Preventive Medicine for testing preclinical drugs and vaccine efficacy

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BANNER OF EVENT

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PHOTOS OF EVENT

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