



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
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Tamaram, Makavarapalem, Narsipatnam Revenue Division, Visakhapatnam-531113

COLLABORATIVE INDUSTRIAL VISITS OF AIET

ACADEMIC YEAR

2018-19

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING


S No	Name of Collaborating Institute/Organisation	Batch/Class	Date	Number of students visited
1	Cyclone Warning Centre and Doppler Radar Station, Visakhapatnam	IV B.Tech ECE-2Students	20.09.2018	119

HOD,ECE




HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
Avanthi Institute of Engg.&Tech.
Makavarapalem, Visakhapatnam Dist-531 113.

T.p.Naidu
Coordinator


Avanthi Institute of Engg. & Technology
Tamaram, Makavarapalem Md.,
Visakhapatnam District, Pin-531113

REPORT ON INDUSTRIAL VISIT

Year: IVth B.Tech -B

Date: 20-09-2018

Name of the industrial visit: CYCLONE WARNING AND DOPPLER WEATHER RADAR STATION,
VISAKHAPATNAM

Name of the Faculty: T.P Naidu

EVENT DESCRIPTION: An industrial visit has been organized by department of Electronics and communication Engineering for IVth-year II semester students on 04th January 2018.

The main objective of the visit was to provide a technical exposure to the students about the Realtime weather forecasting and predictive analysis based on radar graphs. Total 60 students of IV-year Electronics and communication engineering visited Doppler weather radar station at Visakhapatnam.

SESSION ACTIVITIES: The students were accompanied by 2 faculty members. The buses with students have started from our college at 09.00 AM on 4th January 2018 and reached the by Doppler weather radar station at Visakhapatnam 10:45 AM.

ABOUT DOPPLER WEATHER RADAR STATION, VISAKHAPATNAM:

Doppler Weather Radar Station is a Weather forecast service located at Hills, Kailasagiri Ghat Rd, Kailasagiri, Visakhapatnam, Andhra Pradesh 530043, IN. The business is listed under weather forecast service, observatory category. It has received 183 reviews with an average rating of 4.2 stars. Doppler Weather Radar Station is listed under

- Weather forecast service
- Observatory

ABOUT THE VISIT

This visit was mainly focused on to make important refinements to software and hardware technologies associated with Doppler radar that enhanced the use of these radars for both research and operational purposes., meteorologists see or detect near-ground wind shears, which are dangerous to aircraft. Doppler radar technology also enables meteorologists to forecast the location and severity of weather with greater accuracy, which has resulted in improved public safety and, in some cases, lives saved.

OUTCOME OF THE VISIT

The Doppler weather radar, used for the severity of cyclones and to analyse the impact on the living areas of peoples by analysing the cyclone eye size. Also, detection of obstacles and provide the guidance of aircrafts during night landing. Doppler radar provides the prediction of wind directions and analyse the prior information on Realtime upcoming temperature and humidity in atmosphere etc.,



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