



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, Permanently Affiliated to JNT University Kakinada,
ACCREDITED BY NAAC and Recognized under 2(f) & 12 (b) by UGC, New Delhi)
Tamaram(Village), Makavarapalem(Mandal), Visakhapatnam-531113

COLLABORATIVE INDUSTRIAL VISITS OF AIET
ACADEMIC YEAR
2021-22

S No	Name Of The Activity	Date	Participant of AIET Batch/Class	Name of Collaborating Institute/Organisation
1	INDUSTRIAL VISIT	17-12-2021	III B.Tech ECE & EEE Students	Bharat Dynamic Limited, Ministry of Defence, a Govt of India Enterprises, Visakhapatnam
2	INDUSTRIAL VISIT	06-04-2022	II Year Mech Students	Chodavaram co-op Sugar Limited Govada
3	INDUSTRIAL VISIT	25-04-2022	IV B.Tech ECE Students	Cyclone Warning Center, AU Out gate, Visakhapatnam

Coordinator

PRINCIPAL

Principal

Avanthi Institute of Engg. & Technology
Tamaram, Makavarapalem
Visakhapatnam District

13

भारत डायनामिक्स लिमिटेड
Bharat Dynamics Limited
भारत सरकार का उद्यम A Govt. of India Enterprise
रक्षा मंत्रालय, Ministry of Defence
विशाखापट्टणम-530049, आ.प्र., भारत
Visakhapatnam-530049, A.P., INDIA



CIN: L24292TG1070GO1001353

Date: 09.12.2021

Ref: BDL/VU/HR/Invitation/Exhibition/2021

To,

The Chairperson,
Avanti Group of Institutions
Visakhapatnam

75
आजादी का
अमृत महोत्सव

Dear Sir/Madam,

Sub: Azadi Ka Amrit Mohostav – Invitation to BDL Product Exhibition - Reg.

We Bharat Dynamics Limited, Ministry of Defence, a Govt. of India Enterprises, are manufacturer of Missiles, Torpedoes and other Defense equipment.

To Commemorate 75 years of India's Independence, Bharat Dynamics Limited (BDL), a Defence PSU, is organizing a Product Exhibition from 13 Dec to 19 Dec 2021, at BDL, Visakhapatnam as per directives received from Ministry of Defence. Hon'ble Raksha Mantri Shri Rajnath Singh is likely to inaugurate the exhibition, virtually at 75 locations throughout the India.

The Exhibition is open for the general public with special focus on school & college Students.

Venue Address : BDL, G Block, APPIC-IALA, VSEZ POST, Visakhapatnam-530049.
Date & Time : 13.12.2021 to 19.12.2021, 10:00AM to 04:00PM

It is our great pleasure to invite the students and faculty members to witness the world class & Make in India Defence equipment like Missiles, torpedoes, decoys and other allied Defence Equipment in the exhibition.

You are requested to schedule group visit by contacting on Phone No.8977397324 or 0891-2821504 or through email on hr-vizag@bdl-india.in.

The Quiz competitions among school children and Group Discussion among college students are also planned to be organized.

We solicit your institutional participation in this grand event to commemorate the Azadi ka Amrit Mohostav and to make the event successful.

Looking forward for your esteemed presence at the event.

Thanking You.

Schedule Confirmation

- 16/12/2021, 2PM to 4PM

- 13/12/2021, 2PM to 4PM.



(सी एस एन मूर्ती / SSN MURTY)
वरिष्ठ प्रबंधक (मानव संसाधन) / Sr. Manager (HR) - VU

Security Instructions: Student ID Card or Govt. issued ID card is Mandatory for Entry

प्री ब्लॉक, एपीआईआईसी-आईएएलए, वीएसईजेड पोस्ट, विशाखापट्टणम - 530049
G-Block, APPIC-IALA, VSEZ (Post), Visakhapatnam - 530 049
दूरभाष Tel: 0891-2821505, FAX: 0891-2821502.
ईमेल Email: hr-vizag@bdl-india.in, Website: <http://bdl-india.in>
पंजीकृत कार्यालय: वीडीएल, गाळीबोली, हैदराबाद - 500032
Recd. Office: Bharat Dynamics Limited, Gachibowli Hyderabad - 500 032





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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
REPORT ON INDUSTRIAL VISIT
BHARAT DYNAMICS LIMITED, VISAKHAPATNAM

DATE: 17-12-2021

TARGET SECTION: III B.TechEEE, MECH, ECE Students

TOTAL STUDENTS: 130

EVENT: Industrial Visit

Faculty Coordinators:

- 1) NAGENDRA, Asst.Prof.
- 2) T. Pattala Naidu, Asst.Prof.
- 3) G.Sandhya, Asst.Prof.
- 4) Saranya, Asst.Prof.
- 5) Krishnaveni, Asst.Prof

EVENT DESCRIPTION: An industrial visit has been organized by department of Electrical & Electronics Engineering for III year EEEstudents on 17th Dec 2022.

The main objective of the visit was to provide a technical exposure to the students about the manufacturing process and technology. Total 130 students of III-year EEE visited Bharat Dynamics Limited, Visakhapatnam.

SESSION ACTIVITIES: The students were accompanied by 5 faculty members. The buses with students have started from our college at 09.30 AM on 06th April 2022 and reached Bharat Dynamics Limited, Visakhapatnam by 11:30 AM.

ABOUT BHARAT DYNAMICS LIMITED, VISAKHAPATNAM:

Bharat Dynamics Limited (BDL), was incorporated on 16 July, 1970 as a Public Sector Undertaking under the Ministry of Defence, Government of India to be the manufacturing base for guided missile systems and allied equipment for the Indian Armed Forces.

BDL has evolved as one among the few industries in the world having state-of-the-art facilities for manufacture and supply of Guided Missiles, Underwater Weapons, Air-borne products and allied defence equipment for the Indian Armed Forces. The Company also offers Product Life Cycle Support and Refurbishment / Life Extension of vintage Missiles.

BDL has Conducted Product Exhibition on 13-12-2021 to 19-12-2021 at Viskhapatnam. III B.tech EEE Students Has utilized this opportunity to acquire knowledge

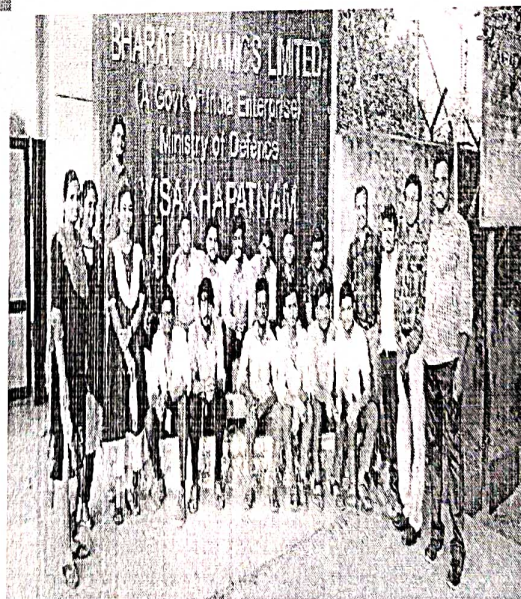
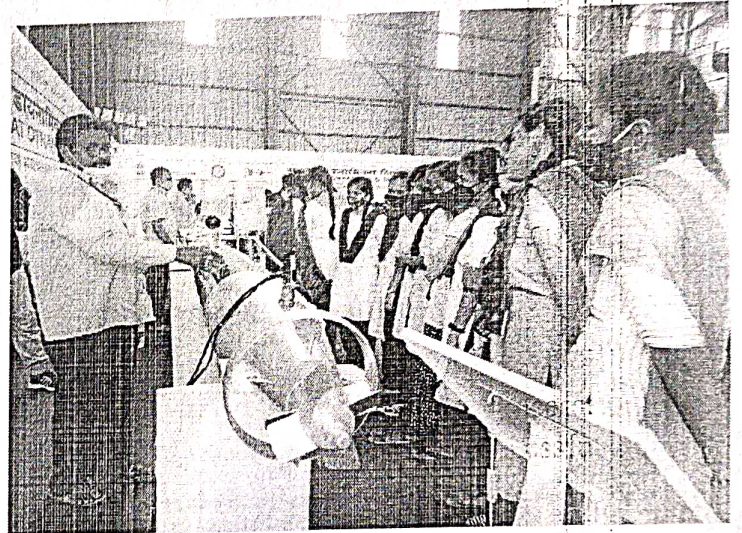
ABOUT THE VISIT

An industrial visit to Bharat Heavy Dynamics (BHD) exhibition can be a valuable learning experience for students and professionals interested in heavy engineering and manufacturing. BHD is an Indian state-owned aerospace and defence company that specializes in the design and development of a wide range of products, including missiles, aircraft, and Defence systems. It can provide an opportunity to see firsthand the various types of missiles that are used for military and defense purposes, as well as the technology and engineering behind them.


In That Product Exhibition different products were on display, like TORPEDO, PROTOTYPE OF LAUNCHING SYSTEMS & TESTING SYSTEMS their purpose, features, and notable technologies used in their design and development was explained by Engineers.

OUTCOME OF THE VISIT

Students have learned new information about heavy engineering, manufacturing processes, missile technology and defense systems. Students were very happy that to interacting with successful persons, Eminent Engineers and Scientists.



G. Sandhya
Coordinator


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



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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT

Chodavaram Co-Op Sugar Limited, Govada

DATE : 06-04-2022

SECTION : II YEAR – Mech-1&2

TOTAL STUDENTS : 52+51

EVENT : Industrial Visit

Faculty Coordinators:

- 1) S. Ganesh, Asst.Prof.
- 2) Y. Jaya Santhoshi, Asst.Prof.
- 3) D. Vanitha, Asst. Prof

EVENT DESCRIPTION: An industrial visit has been organized by department of Mechanical Engineering for II-year II semester students on 06th April 2022.

The main objective of the visit was to provide a technical exposure to the students about the manufacturing process and technology. Total 103 students of II-year Mechanical visited Chodavaram co-op Sugar Limited Govada.

SESSION ACTIVITIES: The students were accompanied by 3 faculty members. The buses with students have started from our college at 09.30 AM on 06th April 2022 and reached the Chodavaram co-op Sugar Limited, Govada by 10:30 AM.

ABOUT CHODAVARAM CO-OP SUGAR LIMITED, GOVADA:

Chodavaram Co-Op Sugar Limited Govada is one among the sugar manufacturing companies in India. Its allied business consists of manufacturing and marketing of Sugar. Company located in Visakhapatnam District, Chodavaram mandal, Govada -531023 Andhra Pradesh having an aggregate crushing capacity of 2,500 tons per day.

ABOUT THE VISIT


This visit was mainly focused on to understand the procedures involved during sugar preparation, the technology and the equipments used. Students were split into two groups. The Supervisors explained about equipments involved in processing of sugar like Cane Carrier, Mill Tandem, Cane Knives, Power Plant, Juice Heater, Clarifier, Filter, Evaporator, Vacuum pan, Crystallizer, Dryer & Cooler.

OUTCOME OF THE VISIT

The technology and the equipment used for production of sugar . The various processes involved in collection, separation and storage of raw material was explained. • Discussion on the difficulties faced and possible solutions to overcome these difficulties was held.




Coordinator


Head of the Department
Department of Mechanical Engg.
Avanathi Institute of Engg. & Tech.,
Makavarapalem, Visakhapatnam-531113.



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DEPARTMENT OF ECE

REPORT ON INDUSTRIAL VISIT

Event Type : Industrial visit
Date /Duration : 25-04-2022
Place of Visit : CYCLONE WARNING CENTER, VISAKHAPATNAM
Target Audience : IV B.Tech, ECE STUDENTS
Faculty Coordinators : 1. T Pattala Naidu, Asst. Prof
2. B Mahalaxmi, Asst. Prof
Objective of the Event: RADAR COMMUNICATION IN WEATHER FORECAST

SESSION ACTIVITIES:

The students were accompanied by 2 faculty members. The buses with students have started from our college at 09.30 AM on 25th April 2022 and reached the Cyclone Warning Center, Visakhapatnam by 11.30 AM

ABOUT CYCLONE WARNING CENTER:

India Meteorological Department is one of the oldest organizations in our country. The meteorological observatory was established in the year 1870 at Visakhapatnam, is one of the oldest observatories on the east coast of India taking surface meteorological observations. The present Radiosonde building of CWC in Kirlampudi layout, opposite to Andhra university was constructed during 1970. The Radiosonde unit was shifted to this newly constructed building in 1971. Simultaneously, an S-Band (10 cms) JRC make Cyclone Detecting Radar JRC, first of its kind in India was installed in May 1970 on Dolphin's Nose hill close to light house. Meteorologist Grade-I (Dr. Sen Roy) was in charge of this office including Meteorological office at Airport, RS/RW unit, Pilot Balloon observatory, Radiation and Seismological units (at Andhra University).

DESCRIPTION OF EVENT:

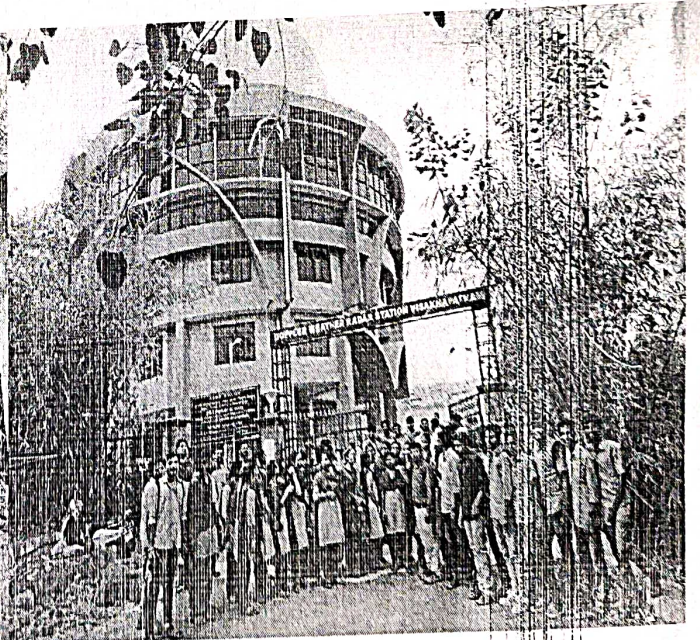
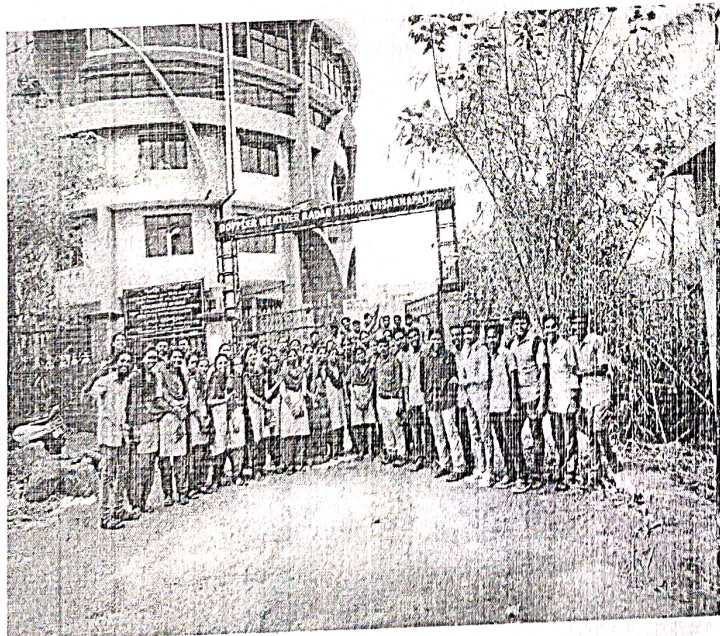
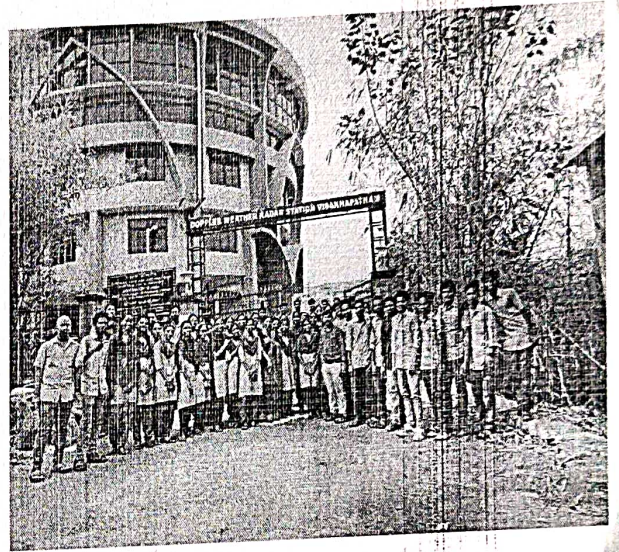
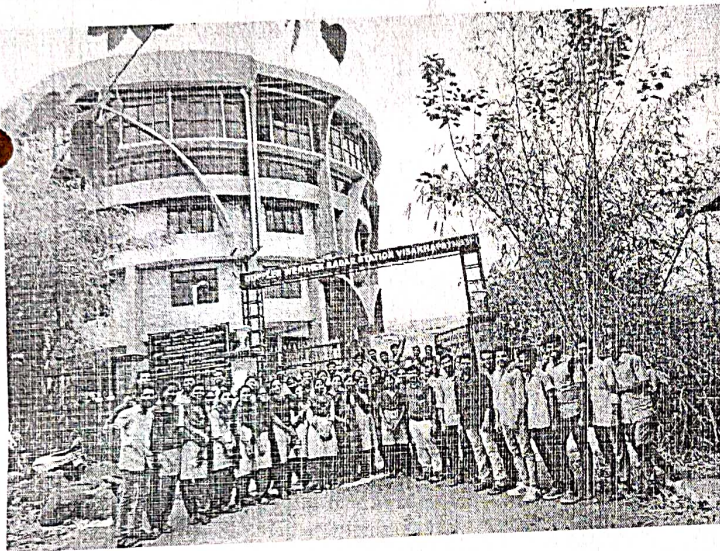
The radar station worked based on four sections. Those are

- Radar section

- Pilot balloon section
- Observations block
- Radar sun radar wind section

we continued the last session after the lunch each and every student understood clearly how the radar station works based on which instruments (thermo meters for temperature measurement and rain fall, sun shine recorder, envometer for measuring speed of wind, mercury barometer, high speed wind recorder, radar sun & radar wind instrument, from radar sonde or radar windout room they are realizing the balloon for exact weather calculation). At 3:30PM left the radar station.

OUTCOME OF EVENT: EXPOSURE TO COMMUNICATION ENGINEERING



T. P. Naidu
Coordinator

[Signature]
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