



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

2019-20

DEPARTMENT OF MECHANICAL ENGINEERING

S No	Name Of The Industry Visited	Batch/Class	Date	No of Students Visited
1	Hindustan Shipyard Limited Visakhapatnam	III B.Tech MECH Students	01/02/2020	138
2	Synergies Casting Limited Visakhapatnam	IV B.Tech MECH Students	08/02/2020	67
3	Visakhapatnam Steel Plant	II B.Tech MECH-1 Students	11/03/2020	140
4	The Chodavaram Co Operative Sugar Ltd	II B.Tech Mech - 2 Students	11/03/2020	143

Coordinator

HOD

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

Principal
Avanthi Institute of Engg. & Technology
Tamaram, Makavarapalem





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DEPARTMENT OF MECHANICAL ENGINEERING
REPORT ON INDUSTRIAL VISIT

Hindustan Shipyard Limited, Visakhapatnam

DATE: 01-02-2020

SECTION: III YEAR – Mech-1&2

TOTAL STUDENTS: 138

EVENT: Industrial Visit

Faculty Coordinators:

- 1) M S Naidu, Asst Prof.
- 2) G S M Reddy, Asst Prof.
- 3) K Naga Raju, Asst. Prof.
- 4) P Ramakrishna, Asst. Prof.
- 5) B Ramesh, Asst. Prof.
- 6) S Ganesh, Asst. Prof.

EVENT DESCRIPTION: An industrial visit has been organized by department of Mechanical Engineering for III-year II semester students on 01st Feb 2020.

The main objective of the visit was to provide a technical exposure to the students about the manufacturing process and technology. Total 138 students of III-year Mechanical visited Hindustan Shipyard Limited, Visakhapatnam.

SESSION ACTIVITIES: The students were accompanied by 6 faculty members. The buses with students have started from our college at 09.30 AM on 01st Feb 2020 and reached the Hindustan Shipyard Limited, Visakhapatnam 11:30 AM.

ABOUT HINDUSTAN SHIPYARD LIMITED, VISAKHAPATNAM:

Hindustan Shipyard Ltd (HSL), set up in the year 1941, strategically located on the East Coast of the Indian peninsula, at Visakhapatnam, Andhra Pradesh, is the nation's premier shipbuilding organization catering to the needs of shipbuilding, ship repairs, submarine construction and refits as well as design and construction of sophisticated state-of-the-art offshore and onshore structures. Direct sea access, excellent infrastructure, skilled work force, rich expertise garnered over the years in building 200 vessels, refitting 5 submarines and repairing 2000 vessels of various types enable HSL to offer competent services for the defence and maritime sectors

ABOUT THE VISIT

On 01st Feb 2019 the students of AIET, got an opportunity to visit HSL. Firstly we had gone to the HSL & met Sr Engineer & He invited the Employee working in HR Department. He provided us the details of the entire Organization Flow & Production. Students have seen Ship Building & Infrastructure Facilities like Covered Building Dock, Outfit Jetty, Ship Repair Shop, Dry Dock & Wet Dock

OUTCOME OF THE VISIT

Students have learned Augment Technological Capabilities in the area of ship design & ship construction. Upgrade welding, cutting, grinding & Plumbing techniques.



K. K. Raju
Coordinator


HOD

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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT

Synergies Casting Limited, Visakhapatnam

DATE: 08-02-2020

SECTION: IV YEAR – Mech

TOTAL STUDENTS: 67

EVENT: Industrial Visit

Faculty Coordinators:

1) A Prem Kumar, Asst Prof.

2) S Ravi Teja, Asst Prof.

EVENT DESCRIPTION: An industrial visit has been organized by department of Mechanical Engineering for IV-year II semester students on 08th Feb 2020.

The main objective of the visit was to provide a technical exposure to the students about the manufacturing process and technology. Total 67 students of IV-year Mechanical visited Synergies Casting Limited, Visakhapatnam.

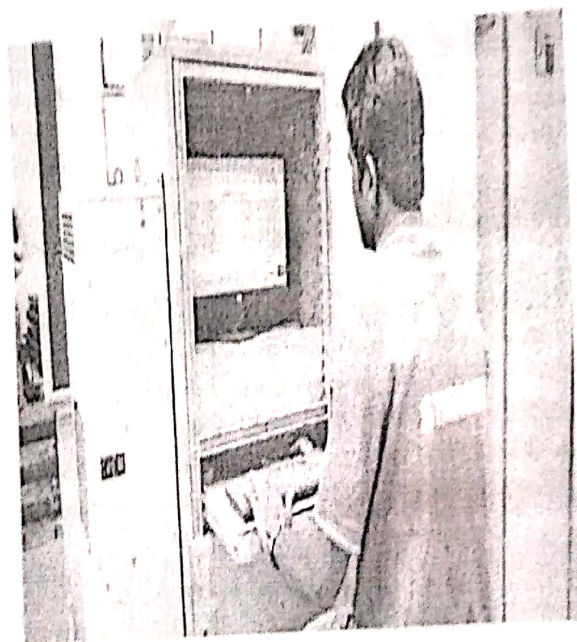
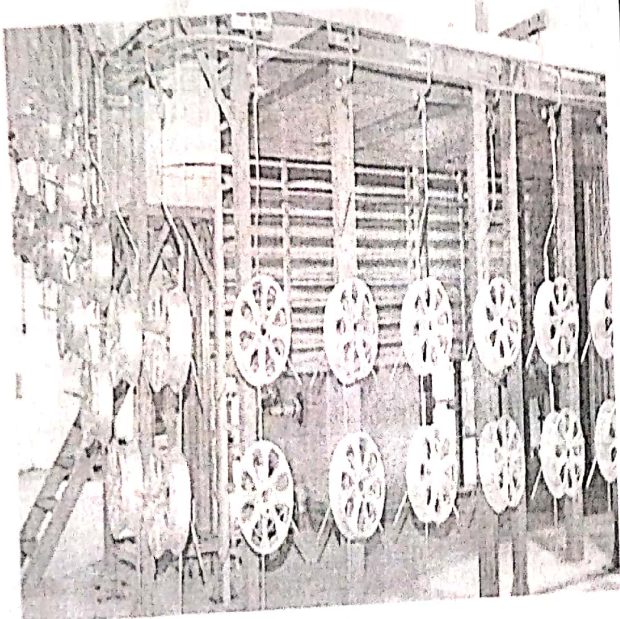
SESSION ACTIVITIES: The students were accompanied by 2 faculty members. The buses with students have started from our college at 09.30 AM on 08th Feb 2019 and reached the Synergies Casting limited, Visakhapatnam 11:00 AM.

ABOUT STNERGIES CASTING LIMITED, VISAKHAPATNAM:

SYNERGIES, the pioneer and leader in the manufacturing of Aluminium alloy wheels in India specializes in extremely high precision, high quality alloy wheels. Located in Visakhapatnam, India, the SYNERGIES plant has a total wheel casting capacity of 960,000 wheels and chrome plating capacity of 240,000 wheels. At Synergies, engineering services division provides end-to-end solutions that include product development activities such as concept design, product development, tooling, prototyping, product manufacturing and supply.

ABOUT THE VISIT

In Synergies Manufacturing Company, Engineers Explained about Different Processes involved in wheels manufacturing like, Sophisticated melting furnaces, State of the art Precisely Controlled LPDC Technology, LPDC Machines, Heat Treatment, Different CNC Machines and 360 Robots, Testing process like, impact test, Tensile Strenght, hardness, Uniformity testing, wheel balancing, X-ray NDT, Dimensional Check, Air leak test etc. Students have acquired knowledge on Different Manufacturing & Testing techniques.




Coordinator


HOD

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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT

RINL, Visakhapatnam

DATE: 08-11-2019

SECTION: II YEAR – Mech-1&2

TOTAL STUDENTS: 140

EVENT: Industrial Visit

Faculty Coordinators:

- 1) A N S Surya Prakash, Asst. Prof
- 2) S Subramanyam, Asst. Prof
- 3) D Trinadh, Asst. Prof
- 4) P Ramakrishna, Asst. Prof
- 5) Dr. Ch suresh, Asst. Prof
- 6) P sachana, Asst. Prof

EVENT DESCRIPTION:

Students of II Mechanical were informed two days before that an industrial visit to VIZAG STEEL PLANT was scheduled. As instructed faculty Students assembled at college by 9:30 a.m. Altogether 140 students boarded the bus along with 6 Faculty members and one Lab Assistant. Buses started at 9:30 a.m and we reached steel plant by 11.00 a.m. The Engineer there received us and we were taken to control Room. In control room there have given some instructions after that Students were divided into two groups, half the batch was explained about the Coke ovens & Coal chemical Plant, Sinter Plant, Blast Furnace operation. The remaining half was guided by a Sub Engineer present there. They were taken to Steel Melt shop & Continuous Casting, Wire rod Mill, Structural Mill. They have explained very clearly in sequence of operations and transportation from input to output of plant.

The visit came to an end at 2.30 p.m. We left the premises at 2.30p.m and came back to college by 4.00p.m. It was an informative, interesting and a successful visit. Students wererequested to arrange more industrial visits Through the visits the students were able to witness the practical workings of the organization and could relate it to the theories taught in classrooms.


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DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT

Chodavaram Co-Op Sugar Limited, Govada

DATE: 11-03-2020

SECTION: II YEAR – Mech-1&2

TOTAL STUDENTS: 143

EVENT: Industrial Visit

Faculty Coordinators:

- 1) A N S Surya Prakash, Asst. Prof
- 2) S Subramanyam, Asst. Prof
- 3) D Trinadh, Asst. Prof
- 4) P Ramakrishna, Asst. Prof
- 5) Dr. Ch suresh, Asst. Prof
- 6) P sadhana, Asst. Prof

EVENT DESCRIPTION: An industrial visit has been organized by department of Mechanical Engineering for II-year II semester students on 11th March 2020.

The main objective of the visit was to provide a technical exposure to the students about the manufacturing process and technology. Total 143 students of II-year Mechanical visited Chodavaram co-op Sugar Limited Govada.

SESSION ACTIVITIES: The students were accompanied by 6 faculty members. The buses with students have started from our college at 09.30 AM on 11th March 2020 and reached the Chodavaram co-op Sugar Limited, Govada by 11:00 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,

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.




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