

INDUSTRIAL SOJOURNS

HINDUSTAN SHIPYARD LIMITED



Hindustan Shipyard Limited (HSL) was incorporated under the Indian Companies Act, 1913 with the objective of providing indigenous capability for efficient ship/submarine building and repairs to meet the growing requirements of Defence, Mercantile, Marine and Oil Sectors.



2019



2020



2021



2022



Outcomes:

- Enhanced understanding of ship building industry
- Sparked interest in students about pursuing career in ship building industry and related sectors
- Understanding the organizational culture
- Awareness of safety and compliance measures



BHARAT HEAVY ELECTRICAL LIMITED

BHEL is one of the largest engineering and manufacturing companies of its kind in India engaged in design, engineering, construction, testing, commissioning and servicing of a wide range of products and services with over 180 product offerings to meet the ever-growing needs of the core sectors of economy.





Outcomes:

- Insight into industrial operations
- Understanding of industry manufacturing processes
- Exposure to technological advancements
- Knowledge of quality assurance
- Practical application of HR concepts



VISAKHA DAIRY

Sri Vijaya Visakha Milk Producers Company Ltd (Visakha Dairy) is a company located in the Indian state of [Andhra Pradesh](#). It sells Milk & Milk Products in the name of Visakha Dairy. It works on [cooperative](#) principles. Almost every North Coastal district in the state has milk producing co-operatives. The milk is collected from member farmers, processed, and sold in the market under the brand of Visakha Dairy.



2019



2020

Outcomes:

- Insights into dairy operations and functioning
- Understanding of dairy product manufacturing
- Exposure to supply chain management
- Knowledge of cooperative business model



COROMANDEL FERTILIZERS

Coromandel Fertilizers is a leading fertilizer manufacturing company based in India. With a rich history dating back to 1961, the company has established itself as a key player in the agricultural industry. It specializes in the production and distribution of a wide range of fertilizers including nitrogenous, phosphatic and complex fertilizers.



2020



2021

Outcomes:

- Exposure in various processes involved in fertilizer production
 - Gained insights into work force planning, recruitment and selection, training and development
 - Knowledge of engagement strategies implemented at Coromandel Fertilizers
- Learned importance of safety measures and compliance protocols in the fertilizer industry



VIZAG STEEL PLANT

Visakhapatnam Steel Plant is the integrated steel plants of Rastriya Ispat Nigam Limited in Visakhapatnam. Founded in 1971, the plant focuses on producing value-added steel, producing 5.773 million tons of hot metal, 5.272 million tons of crude steel and 5.138 million tons of saleable steel in the 2021-2022 financial year. According to the India Daily Times, the plant is expected to skyrocket in terms of production in the nearest future.



2018

Outcomes:

- Insight into industrial operations
- Understanding of industry manufacturing processes
- Exposure to technological advancements
- Knowledge of quality assurance
- Practical application of HR concepts



HINDUSTAN PETROLEUM CORPORATION LIMITED

Hindustan Petroleum Corporation Limited (HPCL), commonly referred to as HP, is an Indian oil and gas refining company headquartered in Mumbai. Since 2018, ONGC has owned a majority stake in the company. The company is ranked 367th on the Fortune Global 500 list of the world's biggest corporations as of 2016. On 24 October 2019, the company became a Maharatna PSU.



2019

Outcomes:

- Understanding of energy security
- Knowledge of industry- specific insights
- Knowledge of HR and employee engagement
- Exposure to safety and environmental practices



JINDAL STEEL AND POWER

Jindal Steel and Power Limited (JSPL) is an Indian steel company based in New Delhi. JSPL is a part of OP Jindal Group. It is the third largest private steel producer in India and only private player in India to produce rails. The company manufactures and sells sponge iron, mild steel slabs, rails, mild steel, structural, hot rolled plates, iron ore pellets and coils. Jindal Steel and Power set up the world's first coal-gasification based DRI plant at Angul, Odisha that uses the locally available high-ash coal and turns it into synthesis gas for steel making, reducing the dependence on imported coke-rich coal. JSPL's coal gas-based steel tech became a case study at Harvard University.



Outcomes:

- First-hand experience of steel manufacturing industry
- Insights on steel production, sourcing, refining, casting, rolling, and quality control
- Exposure to business management practices
- Networking and industry connections



POWER GRID

Power Grid Corporation of India Limited (PGCIL) is a state owned company that operates and maintains the transmission infrastructure for the power grid in India .It is responsible for the development, operation, and maintenance of the high-voltage transmission network across India





Outcomes:

- Knowledge about infrastructure required for efficient power transmission
- Gaining insights into the latest developments in the field of power transmission
- Knowledge on aspects like load balancing, grid stability and system reliability
- Insights into HR policies, talent management and employee engagement strategies



CMFRI VISIT

Students visited Central Marine fisheries research institute located at visakhapatnam. It is area of research for marine organisms. Here induced spawning and seed production of commercially important marine fin fishes and also innovations in cage culture and capture based aqua culture of commercially important fin fishes and shell fishes.





Outcomes:

- Breeding and seed production of fin fishes and shell fishes
- Cage culture demonstration



INDUSTRIAL TOUR

Introduction

The industrial study tour is mandatory and it is scheduled at the end of 3rd semester during Pongal holidays for the benefit of study (MHRM –II year course). It may consist of a minimum of 7/8 visit to industrial establishment of different sector in India. In fixing the visit, preference may be given to such an organisation which are not found locally such as plantation, mines etc. It is non-credit requirements but on completion of the tour, a hand written report to be submitted to the department.

About the Tour

This year our college has chosen “Bangalore” as one of the preferred location for our industrial visit within which we visited.

- ❖ **Hindustan Aeronautics limited (HAL)**
- ❖ **Visweswaraya Industrial & Technological Museum.**
- ❖ **Ooty - Tea plantation**
 - **Chocolate factory**
 - **Tea factory**



HINDUSTAN AERONAUTICS LIMITED (HAL)



Hindustan Aeronautics limited (HAL) is an Indian State owned aerospace and defence company, headquartered in Bengaluru, India. Established on 23rd December 1940. HAL is one of the oldest and largest aerospace and defence manufactures in the world today. HAL currently has 11 dedicated Research & Development(R&D). Centres and 21 manufacturing division under 4 production units spread across India. It is managed by Board of Directors appointed by the president of India through Ministry of Defence, Govt.of India. It is currently involved in designing and manufacturing of fighter jets, helicopters, jet engine and marine gas turbine engine, avionics, software development, space supply, overhauling and upgrading of Indian Military aircraft.



VISWESWARAYA INDUSTRIAL & TECHNOLOGICAL MUSEUM



VITM Bangalore, India, a constituent unit of “National Council of Science Museums”, Ministry of culture, Govt. of India, was established in memory of Bharat Ratna Sir M. VISWESWARAYA. It was inaugurated by the first prime minister of India, Pandit Jawaharlal Nehru, on 14 July 1962. The first Gallery set up at VITM, on the theme of “Electricity” was opened to the public on 27th JULY 1965.

In order to honour Bharat Ratna Sir. M. VISWESWARAYA the all India manufactures organisation, Mysore state board, decided to set up a science and technology Museum at Bangalore, foundation stone was laid by B.D.JATTI, CM of Mysore on 15th SEPTEMBER 1958.



TEA PLANTATION



A Tea Plantation in a farm dedicated to growing varieties of *Camellia sinensis*, The plant commonly known around the world as tea. Growing and selling tea has become a world wide practice though some areas are better suited to growing it than other, and it is generally considered to be a valuable commodity.

TEA FACTORY:

Tea Manufacturing Process

Tea manufacture is the process of transformation of freshly plucked green tea leaves to black tea. The process itself is long, requires much care, attention, control and a scientific understanding of the complicated physical and chemical changes in the leaf as the manufacture progresses. There are several distinctive processes that take place in the manufacture of black teas.



CHAITANYA DEGREE & PG COLLEGE FOR WOMEN

Affiliated to Andhra University, Chaitanya nagar, Old Gajuwaka, Visakhapatnam-530026.





CHOCOLATE FACTORY



The history of chocolate can be dated back to more than 3000 years to Maya, toltec andAztec people, who prepared a beverage from the fruit of the coco bean. Located in heart of Ooty, the emerald Chocolate factory and the factory outlets & showroom. Choco galleria has created a buzz amongst all chocolate maniacs ever since its establishment in 1994. All their products are 100% vegetarian and are made using hygienic ingredients.



Outcomes:

- Enhanced HR Skills of the Students.
- Better networking opportunities.
- Increased opportunities for internships and placements.
- Practical exposure towards industry and requisite skills.



INDUSTRIAL TOUR 2023

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Objective

The Industrial Tour are to provide students an insight regarding internal working of companies. We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visits provide students a practical perspective on the world of work.

About the Tour

This year our college has chosen “Bangalore” as one of the preferred location for our industrial visit within which we visited.

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- ❖ **Ooty - Tea plantation**
- **Chocolate factory**
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Tea plantation



TEA FACTORY

- **Tea Manufacturing Process**

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- **PLUCKING:**

The green leaf is harvested on a regular basis at intervals ranging from 5 days to 8 days from each field. The plucking of the soft two leaves and the bud is generally undertaken by well trained women, because of the agility of feminine hands. The manufacture begins from the time the leaf is plucked in the field, and to ensure it retains its freshness, the leaf is sent to the factories from the fields three to four times a day.

- **WITHERING:**

No sooner it is received at the factory, the leaf is weighed and spread on troughs. Withering, is a process, where conditioned air is circulated between the leaves, initially to remove any surface moisture and thereafter to concentrate and chemically breakdown the tea juices. It takes 10 hours to 14 hours for the physical and chemical changes to take place, and bring the leaf to soft and rubbery condition suitable for the next stage of manufacture.

- **ROLLING:**

Is the process by which the leaf is twisted and the leaf cell walls ruptured to bring the juices to the surface of the leaf. The rolling machines have deep jacket, a pressure cap to apply pressure on the leaf, and the table itself has battens and a cone at the center to twist the leaf. There are also the more modern “Rotorvane” machines, which also give the same twisting and turning effect. This process takes about 20 to 30 minutes.



Thereafter to separate the twisted leaf from the untwisted, and to reduce the heat build up, the rolled leaf is passed over a roll breaker. This machine has meshes which separate rolled leaf. The unrolled is put back into the rollers for further rolling whilst the rolled leaf is fermented.

- **FERMENTATION:**

Of the tea juices is an essential process in the manufacture of black tea. Fermentation is the oxidization of the enzymes in the juices, which bring out the flavour, strength and the colour of the liquors and infusions. Fermentations is generally carried out on glass or tiled tables.

As fermentation progresses there is a colour change of the leaf from greenish to coppery brown. The degree of fermentation is judged by the colour and aroma.

- **DRYING:**

The primary objective of drying is the extraction of moisture and the arresting of fermentation. The fermented leaf contains from 45% to 50% moisture. The leaf is passed through driers, which have circuits of trays with perforation, on which are conveyed the fermented leaf.

The drying process takes about 20 to 25 minutes and the initial temperature is about 120 Degrees F (50 Degrees C) and is finished off at a temperature of 200 Degrees F (93 Degrees C) to 220 degrees F (105 Degrees C) . The moisture content of the teas when drying is completed is approximately 2% to 3% and the coppery brown fermented tea particles are now back.

- **GRADING (SIFTING):**

The fired teas after cooling are graded / sifted according to size and shape, as the trade demands. The different grades of tea are identified nomenclature. On completion of the grading, teas are stored in airtight bins of boxes. The sifting is carried out on a series of grading and cleaning machines, which have several trays of different mesh sizes, to separate the tea particles to the various grades of tea and to remove the stalk and fibre.

- **PACKING / DESPATCHING:**

Teas are very hygroscopic and rapidly absorb moisture. When sufficient quantities of teas are collected, they are either packed in plywood tea chests of multi-walled aluminum craft paper lined pager sacks and despatched to the auctions or packed into tea packs of various forms for direct export/distribution.



CHOCOLATE FACTORY



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No.of Students Participated: 18- II M.H.R.M Students

Visit Date: 03/03/2023- 13/03/2023

Outcomes:

Industrial Tour also seems to present networking opportunities for the students with the company's HR, thereby increasing the opportunities for internships, placements, etc., for students. The domain wisdom and practical outlook towards the industry & requisite skills for the industry is also known to the students.

ARUKU VALLEY – INDUSTRIAL TOUR

The field trip to ARAKU VALLEY was an enriching experience for our BBA and MHRM students, offering them a first-hand opportunity to explore various aspects of the region. During the trip, students visited the captivating tea plantations, witnessing the process of tea cultivation, harvesting and processing. They also visited chocolate factory, where they learned the art of chocolate making and the significance of local ingredients. Visit to small scale industries helped students gain insights into the entrepreneurial endeavours and the challenges faced by these industries and provided deeper understanding of practical aspects of running a business on a smaller scale.





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Outcomes:

- Practical understanding
- Deeper understanding of small scale industries
- Industry interaction
- Application of knowledge
- Integration of theory and practice