

Activity Report

Particulars	Description
Department	FE (Common) Division A,B,C,and D
Activity	Industrial Visit
Activity level	Department
Title	Visit to Sahyadri Farms Manufacturing Facility, Nashik
Organized by	Prof. K. W. Kale
Venue	A/p: Mohadi, Tal: Dindori, Nashik – 422006, Maharashtra, India.
Date	1 November 2025.
Time	10.00 am to 4.00 pm
Objectives of the activity	1. To acquire the basic knowledge the typical layout of industry with arrangement of equipment's considering a specific application. 2. To inculcate the basics of various manufacturing processes. 3. To impart practical aspects the safety related considerations in an industry.
Outcomes of activity	1. Students studied the layout of the kechup manufacturing unit workshop. 2. Illustrate various sections of a typical workshop and different types of tools and machinery commonly found in a workshop. 3. Explain the importance of industrial safety and apply general safety rules and guidelines.
Targeted Participants	First Year Students.
Total no. of Participants & % of students	150 and 85.31 %
Speaker / Resource Person	Name: Miss Ankit Wadghule Designation & Organization: PR Team Member Mobile No.: +91-7066080309
Content of the activity	1. To study the typical layout of industry with arrangement of equipment's considering a specific application.

Particulars	Description
	2. To study the operations and processes involved in ketchup manufacturing
Relevance to POs	PO1, PO5, PO6, PO7, PO9, PO10, PO12
Relevance to PSOs	PSO1, PSO2
Methodology used	1. Discussion 2. Power point Presentation
Brief Description of the activity	Overview of Sahyadri Farms Ketchup Manufacturing Facility Sahyadri Farms is renowned for processing and manufacturing a wide range of food products, with a significant focus on tomato-based products like ketchup. The facility includes sections for raw material storage, washing, sorting, grinding, cooking, bottling, and packaging. During the visit, we observed how the facility operates with an emphasis on maintaining high standards of efficiency, safety, and quality. Experiment 1: Study of Workshop Layout During our visit, we focused on analysing the layout of the ketchup manufacturing unit, which is designed to ensure smooth workflow and efficient production. The layout included: • Raw Material Section: Storage and sorting of tomatoes, ensuring easy access for further processing. • Processing Area: Placement of grinding and cooking machinery in a manner that optimizes workflow, with close proximity to storage and washing areas. • Bottling and Packaging: Located towards the end of the line, ensuring a seamless transition from cooked product to packaging. • Quality Control Section: A dedicated area to ensure that the product meets quality standards before packaging. Experiment 2: Study of Workshop Safety The visit also provided an opportunity to understand the safety measures implemented within the facility, which are crucial in food processing environments. The following safety aspects were observed: • Hazard Identification: Areas with potential risks, such as high-temperature cooking and automated machinery, were well-marked with warning signs. • Safety Guidelines: Workers were equipped with Personal Protective Equipment (PPE) like gloves, masks, and hairnets to maintain both personal safety and product hygiene. • Emergency Equipment: Fire extinguishers, first aid kits, and emergency stop buttons were placed strategically across the workshop for quick access in case of an emergency. Conclusion The industrial visit to Sahyadri Farms provided valuable practical exposure to the students, bridging the gap between theoretical knowledge and real-world applications. It enabled us to directly observe how a well-planned workshop layout and stringent safety measures are critical to the smooth functioning of an industrial setup. This experience has further enriched our understanding of the Manufacturing Practice Workshop and its relevance to engineering program outcomes.

Particulars	Description
Geo- tag photos of the activity	  GPS Map C Nashik, Maharashtra, India  Gat No. 314/2/2, A/p Mohadi, Dindori, Maharashtra 422207, India, Nashik, Maharashtra 422207, India Lat 20.159725° Long 73.880325° 01/11/25 02:10 PM GMT +05:30 FE Workshop Industrial Visit 25-26

Particulars	Description
	 Dindori, Maharashtra, India 🇮🇳 Gat No 85, Korhate Village, Taluk, Dindori, Maharashtra 422207, India Lat 20.159621° Long 73.879785° 01/11/25 01:45 PM GMT +05:30 FE Workshop Industrial Visit 25-26

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