



Industrial Visit Report

Department of Mechanical Engineering

A.Y. 2023-24 SEM-II

SE, TE & BE Industrial Visit Report at Shree Ganesh Casting

- **1. Event Title** SE, TE & BE students Industrial Visit Report at Shree Ganesh Casting
- **2. Event Date:** 10th April 2024.
- **3. Event Conduction Duration:** 10:00 pm To 12:15 pm
- **4. Event Venue:** Plot no.19,Gut No.27, near Gopalroaji Gulave Polytechnic College, Vilholi, Maharashtra 422010
- 5. Event Resource Person Details: Mr. Narendra Reddy
- 6. Name of Event Coordinator: Prof. S.M. Mahajan and Prof. S.B. Ambekar
- **7. Expected Audience:** Second, Third and Final year Mechanical Engineering Students
- **8. Number of Participants:** 42
- **9.** Company Profile: Shree Ganesh Casting is a leading foundry specializing in the production of metal castings for various industries. Established in 2012, the company has built a reputation for delivering high-quality cast components using advanced manufacturing techniques and stringent quality control measures.
- 10. Event Objectives & Outcomes:

Event Objective





- I. Educational Exposure to Foundry Operations.
- II. Bridging Theory with Industry Practices.
- III. Career Exploration and Industry Networking

Event Outcomes

The visit to Shree Ganesh Casting proved to be an enriching experience for our students, offering practical insights into key aspects of foundry operations. By observing sand casting techniques, pattern types, melting furnace operations, and the pouring of molten metal into molds, students gained valuable hands-on exposure to industry practices. This immersive experience not only enhanced their understanding of casting processes but also provided a tangible application of theoretical knowledge learned in the classroom. Moreover, interacting with industry professionals during the visit facilitated networking opportunities and inspired students to consider career paths within the manufacturing and materials engineering sectors. Overall, the visit played a crucial role in broadening students' perspectives and preparing them for future endeavors in the field of industrial manufacturing.

11. Purpose of visit

The industrial visit aimed to provide students with practical exposure to various aspects of foundry operations, including sand casting techniques, pattern types, melting furnaces, and the process of pouring molten metal into molds. This experience was intended to supplement theoretical knowledge with real-world applications and industry insights.

Key Learnings and Observations: During the visit, students gained valuable insights into the following areas:





1. Sand Foundry Techniques:

- Understanding the use of sand molds for casting metal components.
- Observing different methods of molding and core-making processes.

2. Types of Patterns:

• Learning about different types of patterns used in foundry operations, such as wooden patterns, metal patterns, and match plates.

3. Melting Furnace Operations:

- Witnessing the operation of melting furnaces used to heat and melt metal alloys.
- Understanding the importance of temperature control and alloy compositions in casting processes.

4. Pouring Molten Metal:

- Observing the critical process of pouring molten metal into prepared molds.
- Learning about safety precautions and quality control measures during the pouring phase.





12.Photos:



Mr. Naveen Reddy Explain to the students about Casting Process.







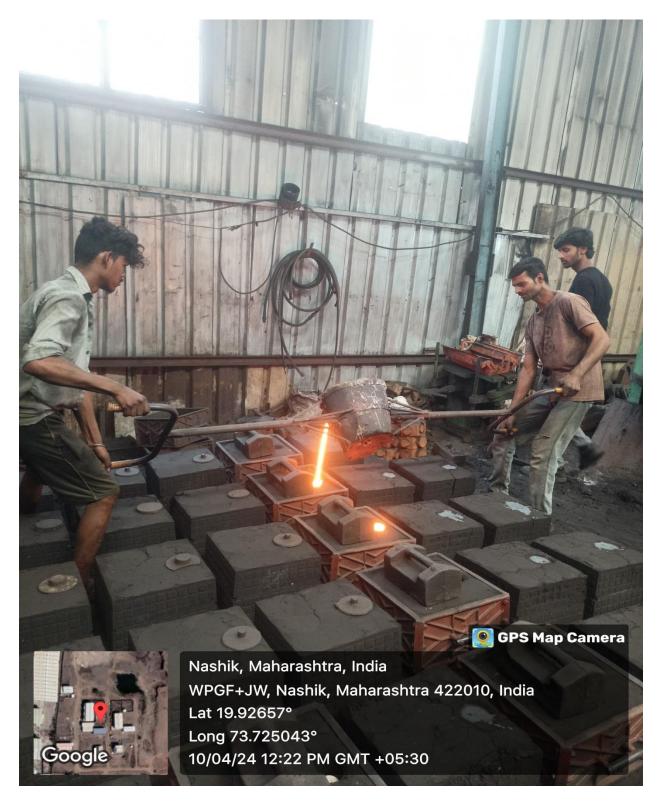
Group students' photo.



Prof. S. B. Ambekar Explain to the students about Sand Moulding Process.











Students Attendance:

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