

# **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:** 10<sup>th</sup> 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.**





 **GPS Map Camera**



Nashik, Maharashtra, India  
WPGF+JW, Nashik, Maharashtra 422010, India  
Lat 19.92657°  
Long 73.725043°  
10/04/24 12:22 PM GMT +05:30

**Students Attendance:**

Sandip Foundation  
Sandip Institute of Engineering and Management  
Department of Mechanical Engineering

Company Name: Shri Ganesh (castm) Date: 10/04/2024 BE.

Sr No.	Name of the Student	Class	Contact No.	Sign
1	Dinya Jagtap	BE	9130915892	<u>[Signature]</u>
2	Anjali Singh	BE	9130772819	<u>[Signature]</u>
3	Ritesh. V	BE	7058540328	<u>[Signature]</u>
4	Pruthmesh. B. Ahir	BE	9309875515	<u>[Signature]</u>
5	Sarvesh Londhe	BE	7387555883	<u>[Signature]</u>
6	Rushi Jadhav	- I I -	7083214030	<u>R. S. Jadhav</u>
7	Om pagare	- I I -	9657520946	<u>[Signature]</u>
8	Vivek Ahire	- I I -	9927226098	<u>Vivek</u>
9	Ashish Nikam	- I I -	8551316277	<u>[Signature]</u>
10	Bhavesht Patil	- I I -		<u>Bhavesht</u>
11	Saurabh Pandey	- I I -		<u>[Signature]</u>
12	Atharva Mahajan	- I I -		<u>[Signature]</u>
13	Harshal Patil	- I I -	9498974529	<u>[Signature]</u>
14	vivek ahire	- I I -	9421226095	<u>[Signature]</u>
15	om pagare.	- I I -	9657520946	<u>[Signature]</u>
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Company Name:- Shri Ganesh Casting      **SE**      Date:- 10/06/2024

Sr.No.	Name of the Student	Class	Contact No.	Sign
1	Rashni Shirsath	SE	8975864396	Rashni
2	Lavanya Bacchay	SE	94055 66596	Lavanya
3	Rohan Patil	SE	5010 56 7701	Rohan
4	Om Patil	SE	4675714973	Om
5	Nilesh Korate	SE	788788 6706	Nilesh
6	Shivam Kandal Nifarn	SE	86 68 27 3636	Shivam
7	Chetan Bankar	SE	77 20 987 991	Chetan
8	Mayur Shelke	SE	90 12 16 29 25	Mayur
9	Bhushan Lenari	SE	92 87 91 4209	Bhushan
10	Atul bathak	SE	8787 35 45 98	Atul
11	Tanish Mahajan	SE	787657 9210	Tanish
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Company Name:- Shri Ganesh Casting      **TE**      Date:- 10/06/2024

Sr.No.	Name of the Student	Class	Contact No.	Sign
1	Nakul Mahale	TE	9565766189	Nakul
2	Akash Hadal	TE	75 78 98 30 46	Akash
3	Manishwar Vhemde	TE	935655 9569	Manishwar
4	Hemant Thakur	TE	705854 0083	Hemant
5	Ahadih Thakur	TE	7557402858	Ahadih
6	Vijay Mahale	TE	9223191221	Vijay
7	Vaibhav Deshmukh	TE	9122 800312	Vaibhav
8	Pitish Mali	TE	9126 366412	Pitish
9	Shubham Halkit	TE	9158 80 809	Shubham
10	Hathir Kudvale	TE	738732 0235	Hathir
11	Shilpi Wamchade	TE	986069 3898	Shilpi
12	Srihan Badale	TE		Srihan
13	Aditya Kote	TE		Aditya
14	Tapan Aher	TE	7447840064	Tapan
15	Darshan Wavare	TE	8000 5477	Darshan
16				

*Sube*  
**H.O.D.**  
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*Satish*  
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