



**Sandip Foundation's**  
**Sandip Institute of Technology & Research Centre, Nashik**  
**Department of Mechanical Engineering**  
**Academic Year 2021-22**

**Report on "Industrial visit to Shree Ganesh Industries"**

1. **Event Title:** "Industrial visit to Shree Ganesh Industries"
2. **Event Date:** 27<sup>th</sup> April 2022
3. **Event Conduction Duration:** 10.00AM to 1:00PM
4. **Event Venue:** Shree Ganesh Industries, Ambad MIDC, Nashik
5. **Event Resource person details:** Mr. Suryakant Kandwelkar , Production Engineer
6. **Name of Event Coordinator:** Prof.S.D.Katkade, Prof.P.A.Gade

**7. Event Objective & Outcome**

**Objective of Activity:**

1. To understand the components used in SI and CI engines
2. To understand different manufacturing processes for the parts used in IC engines
3. To understand measurements and quality assurance of the parts of IC engine

**Outcomes of Activity:**

1. Students came to know the importance of hard work and discipline which is required for Industry.
2. Students have seen the manufacturing processes for the parts used in IC engines

**8. Description of Event:-**

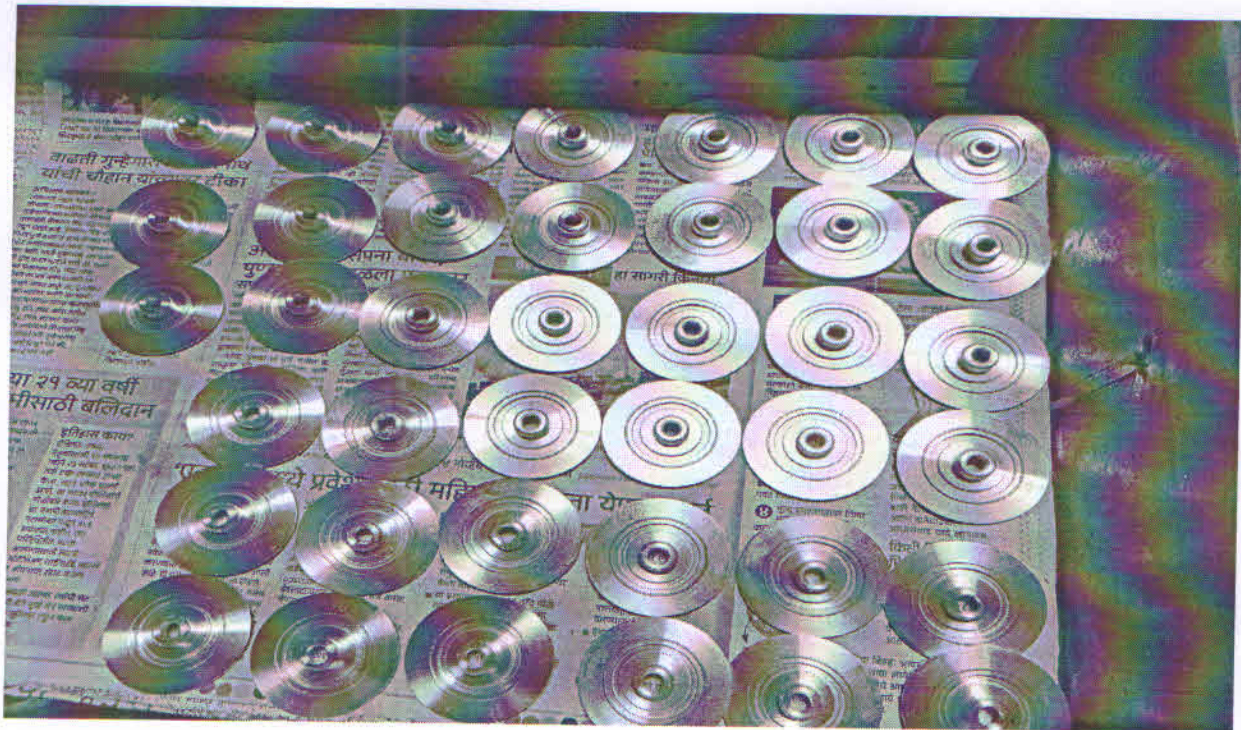
Industrial visit of SE Mechanical students was arranged on 27<sup>th</sup> April 2022 to 'Shree Ganesh Industries, Ambad, Nashik under the subject 'Applied Thermodynamics'. The visit was arranged by considering the practical exposure and academic importance to students.

SHREE GANESH INDUSTRIES is a young and progressive, dynamically developing - Company. It was founded in 2015 by Partners of professionals who had many years of experience in the field of Automobile sector. They are Manufacturing of Precision -Components, Auto Parts & CNC Turning Parts. They have different machines like CNC lathe, lathe machine, drilling machine and band saw machine etc.

Prof. S. D. Katkade, Prof. P. A. Gade and Prof. J. N. Yadav guided the batch of 20 students each about the manufacturing of different parts used in SI and CI engines.

SHREE GANESH INDUSTRIES						
PART NO. 006043729U01					DATE: 28/08/2020	
PART DETAILS :DIPSTIC ADAPTER TERM IV				Customer Details		Vikrant Tools PVT.LTD
PROCESS PLAN						
Sr.No.	Operation Details	Dept	Machine	Tooling	Feed and RPM	Cycle Timing
1	Receiving Raw Material	Store				
2	Inspection of Raw Material 27 MM Hex	Quality	V.C.			
3	Material Testing EN 1A	Lab Test				
3	Rough Drilling of 13.80 MM and Deep of 22.00 MM And Rod Cutting In 60.00 MM Length.	Production	Traub	3/8" X 10 MM Cobalt Tool	700 RPM	44 Gear
4	Rough Turning of Rolling Dia.13.10 MM & Turning Length of 24.00 mm and Undercut of 11.70 MM.	Production	CNC-1	0.8 TNMG	Feed 0.1 & RPM 2000	92 Sec.
5	a) Rough Turning Dia.23.50 MM & 20.50MM of Length 25MM	Production	CNC-2	0.8 TNMG	Feed 0.1 & RPM 2000	125 Sec.
	b) Face Grooving and Length of 7.00 MM			2.00 MM Penta	Feed 0.1 & RPM 1800	
	c) Final OD 23.00 and OD 20.00 MM with length of 25.00MM			0.4 VNMG X 16 MM	Feed 0.1 & RPM 2000	
	d) 6.00 MM Drill for Counter			Drill 6.00 mm	Feed 0.05 & RPM 900	
	e) Boaring ID 14.70 X 22.00 MM Deep & Counter of 6.00 MM Length			0.4 WBMT	Feed 0.08 & RPM 1800	
6	Grinding of Rolling Dia.12.88 MM And Rolling of M 14 X 1.5 of Length 24.00 MM	Production	Centreless Grinder and Thread Rolling Machine	Thread of M 14 X 1.5		
7	Center Point And Drilling of 6.50 X 31.00 MM Length	Production	CNC-3	6.5 MM Drill	Feed 0.05 & RPM 1500	60 Sec.
8	Inspection of all dimensions And Dispatch	QA And Store				

### Process Plan



Nipple for Mahindra and Mahindra Pvt. Ltd

Photos of the visit



*[Signature]*  
Event coordinator



*[Signature]*  
HOD

*[Signature]*  
Principal  
Prof. (Dr.) S. T. Gandhe  
Principal  
Sandip Institute of Technology  
& Research Centre, Nashik