

13/10/2025

Application

To,
The Director,
DGOI,
Swami-Chincholi, Bhigwan.

Subject: - Regarding arranging industrial visit for the students of Mechanical engineering department.....

Respected Sir,

With reference to above cited subject, we want to conduct an industrial visit to students of Mechanical Engineering department, for Baramati Engineering Pvt Ltd., Baramati. The number of students will be 25 along with 02 staff members. The time of visit will be 9.00 am to 03.00 pm.

So I request you to give us the permission for conducting the visit

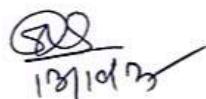
Thanking You,

visit is necessary
under the subject Workshop Practice
3pm
13/10/25

Yours Faithfully,


(Subject Teacher)

Permitted.


13/10/25

DATTAKALA GROUP OF INSTITUTIONS

FACULTY OF ENGINEERING

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| DTE Code: 6628 | MSBTE Code: 1712 | AICTE ID: 1-5986711 | AISHE Code: C-44576 |

Mrs. Maya Zol
Secretary

Prof. Ramdas M. Zol
Founder – President

Ref: DGOI/2025-26/permission/161

Date: 13/10/2025

To,

The HR Manager.

Baramati Engineering Pvt Ltd.

Baramati Co-operative Industrial Estate.

Baramati-413102.

Subject: Regarding permission for the visit of Mechanical engineering students.....

Dear Sir/Madam,

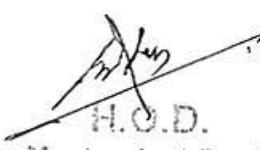
We, the Dattakala Shikshan Sanstha, are providing technical education in rural areas through our Dattakala Group of Institutions. We are currently running Engineering PG, Degree, Diploma, MBA and MCA programs affiliated to Savitribai Phule Pune University of Pune and approved by AICTE, New Delhi.

To fulfill the requirements of curriculum and to enhance the practical knowledge of our students, we wish to arrange the industrial visit for Mechanical Engineering students to get the knowledge of casting process, various methods of moulding and equipments related to foundry shop.

The number of students will be 25 along with 02 faculty members.

We kindly request you to grant us the permission to visit your plant.

Thanking you.


H.O.D.

Mechanical Dept.
Dattakala Group of Institutions,
Faculty of Engineering,
Swami-Chincholi, Tal. Daund, Dist. Pune-413130


red



Yours faithfully,



Director
Dattakala Group of Institutions
Swami-Chincholi, Tal. Daund,
Dist. Pune-413130

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Secretary

Prof. Ramdas M. Zol
Founder – President

13/10/2025

Application

To,
The Director
DGOI, FOE.
Swami-Chincholi, Bhigwan.

Subject: - Regarding arranging transportation facility for the visit

Respected Sir,

With reference to above cited subject, we want to conduct an industrial visit to students of Mechanical Engineering department, for **Baramati Engineering Pvt Ltd, Baramati on Tuesday 14/10/2025**. The number of students will be 25 along with 02 staff members. We require 01 bus/four wheeler for the visit. The time of visit will be 9.00 am to 03.00 pm.

So I request you to give us.

Thanking You,



H.O.D.

Mechanical Dept.
Dattakala Group of Institutions,
Faculty of Engineering,
Swami-Chincholi, Tal. Daund, Dist. Pune-413130



Yours Faithfully,



Director
Dattakala Group of Institutions
Swami-Chincholi, Tal.Daund,
Dist.Pune-413130

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Founder – President

Date: 13/10/2025

NOTICE

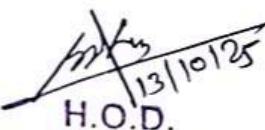
Subject: Industrial Visit for Second Year Engineering Students

This is to inform all second year engineering students that an industrial visit has been arranged to provide practical exposure and enhance their understanding of industry practices.

Details of the Visit:

1. Date of Visit: 14/10/2025
2. Reporting Time: Be Present to Department Sharp at 9:00 AM
3. Venue: Baramati Engineering PVT LTD, Baramati

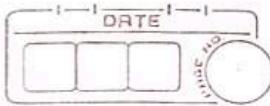
All students are required to attend the visit and must adhere to the dress code, ID Card and safety instructions provided. Attendance is mandatory and will be recorded.


13/10/25

H.O.D.
Mechanical Dept.
Dattakala Group of Institutions,
Faculty of Engineering,
Swami-Chincholi, Tal. Daund, Dist. Pune-413130



Visit Attendance



ROTT NO

Name

Sign.

1] 19	Metkar sumit	<u>Sumit</u>
2] 21	Aniket Teli	<u>Teli</u>
3] 10	Sontakke Yash	<u>Sontakke Y.P</u>
4] 3	Kshirsagar Vijay	<u>Vijay</u>
5] 15	Dhumal shivansh	<u>Shivansh</u>
6] 13	chitalkar Ganesh	<u>Ganesh</u>
7] 17	Khule Siddhi	<u>Siddhi</u>
8] 08	Raskar Aparna	<u>Aparna</u>
9] 05	Sanskar Patil	<u>Patil</u>
10] 09	Samarth Salunkhe	<u>Samarth</u>
11] 01	Dattatreya Jadhav	<u>Jadhav</u>
12] 12	Avdhut Bhosale	<u>Bhosale</u>
13] 16	Suraj Dombale	<u>Suraj Dombale</u>



Dattakala Shikshan Sanstha's

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MECHANICAL ENGINEERING DEPARTMENT

VISIT REPORT 2025-26

DATE	14 October 2025
DAY	Tuesday
VENUE	MIDC, Baramati
NAME OF INDUSTRY	Baramati Engineering PVT LTD
TIME	10:00 Am Onwards
ORGANISED BY	Mechanical Engineering Department
CLASSES INVOLVED	SE Mechanical Engineering
FACULTIES INVOLVED	Mr. Jagtap V. S.

➤ **Date of visit:** 14.10.2025

- On 14th October 2025 our department has organized a one day visit
- A team of 22 students with 01 faculty members have taken part in this visit.

➤ **Objectives of the visit:**

- To provide students with real-world exposure to the casting process, helping them understand the practical applications of their academic knowledge in the industry.
- To gain an understanding of the industry's operations, challenges, and innovations, helping students connect their theoretical knowledge with industry practices.
- To engage with industry professionals, ask questions, and establish potential connections for internships, projects, or future job opportunities.

➤ **About the industry:**

- Baramati Engineering Pvt. Ltd. (BEPL) FOUNDRY was started in 1982.
- Owner of this company is Mr. Ranjeet Pawar.
- Quality manager is Mr. Ganesh Bichukale.
- It is an ISO 9001:2008 certified, IBR certified, PED certified company engaged in manufacturing of various casting products.
- Monthly casting production capacity – 125 to 150 Ton per month in two shifts.
- Monthly useful casting capacity – 60 to 70 Ton.
- Workers Strength - 80 Nos.

➤ **Product Manufactured:**

Valve bodies, Food processing Machinery parts, Impellor castings, Gate valve castings, Automobile parts, Ball valve castings, Pump body & Housings, disc casting, railway parts, ship building parts.



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➤ **Process:** The students were given a detailed walkthrough of the core processes involved in foundry operations:

- **Pattern Making:** The first step involves creating a pattern, often made from wax, sand, or metal, which will be used to form the mold for the metal casting. The tour guide explained how precise and accurate pattern making is crucial for high-quality casting.
- **Mold Making:** After patterns are created, molds are made. The students observed the sand casting process, where a mixture of sand and binders is compacted around a pattern to form a cavity for the molten metal.
- **Melting and Pouring:** The foundry uses large furnaces to melt various metals like iron and aluminum. Students were shown how the molten metal is carefully poured into the molds. The guide emphasized the importance of temperature control during the melting process to ensure that the metal reaches the correct consistency.
- **Cooling and Solidifying:** After pouring, the metal must cool and solidify. The students witnessed the cooling process, which can take several hours depending on the size and type of casting.
- **Finishing and Inspection:** Once the casting has cooled, it undergoes finishing processes such as grinding, machining, and polishing. The guide also spoke about the importance of quality control and testing to ensure that the castings meet industry standards.

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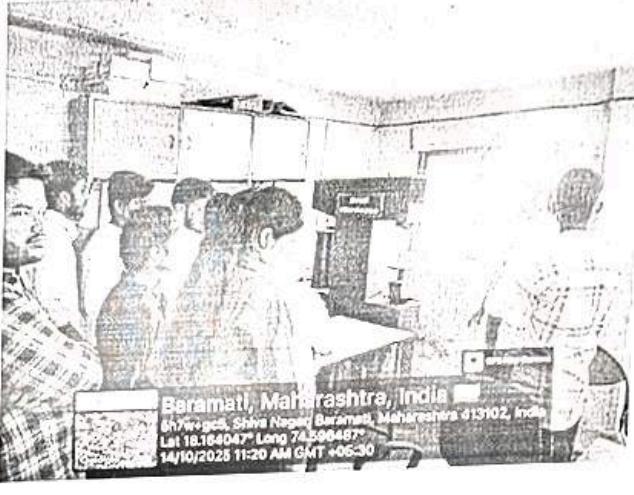
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➤ Some of the photos of visit are below:





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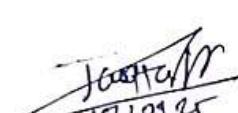
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➤ Conclusion:

The visit to **Baramati Engineering PVT LTD** was an enlightening and educational experience for all the students. It allowed them to connect theoretical knowledge from the classroom with real-world applications, particularly in the fields of materials science, manufacturing, and industrial engineering. The students gained a deeper understanding of the critical role foundries play in the global supply chain and the complexity involved in producing high-quality cast metal products.


Visit Co-ordinator


H.O.D.
Mechanical Dept.
Dattakala Group of Institutions,
Faculty of Engineering,
Swami-Chinchwad Dist. Pune-413130

Director