**To,**

The Principal

K. S. Institute of Technology

Bengaluru

**Date:** 07/05/2026

**Place:** Bengaluru

**Through,**

HOD, Department of Mechanical Engineering

**Respected Sir,**

**Subject: Request for transportation facility for visit to Wipro 3D, Peenya, Bengaluru**

I kindly request your approval to arrange transportation for the **II semester Mechanical Engineering students** to visit **Wipro 3D, Wipro Enterprises Pvt. Ltd., 9B -10A, Phase- 1, Peenya Industrial Area, Bengaluru - 560058** scheduled on **12th May, 2026**. It will provide the students with valuable exposure to the latest innovations, technologies and industrial practices in the field of additive manufacturing.

A total of **24 students accompanied by 2 faculty coordinators** will depart from the campus at **8:45 AM** and the visit is scheduled between **10:00 AM and 12:00 PM**. The transportation facility is essential to ensure the safe and timely movement of the students to and from the venue.

I request you to kindly approve and make necessary arrangements for the same.

Thanking you in anticipation.

Yours sincerely,

07/05/26

**Mr. Saviraj A S**

Assistant Professor (IV Coordinator)

Department of Mechanical Engineering

08/05/26

Forwarded to Principal for kind permission & approval.

7/5/2026.

Forwarded

7/5/26

# K.S.INSTITUTE OF TECHNOLOGY, BENGALURU - 560109

## DEPARTMENT OF MECHANICAL ENGINEERING

Participants Details II Semester Students & Staff

**ATTENDANCE FOR INDUSTRIAL VISIT TO " Wipro 3D"**

**Date: 12.05.2026**

| SL. NO | USN | NAME OF THE STUDENT | SIGNATURE OF THE STUDENT |
|---|---|---|---|
| 1 | 1KS25ME001 | ANITA | |
| 2 | 1KS25ME002 | AYUSH RAJ | |
| 3 | 1KS25ME003 | BHUVAN K | |
| 4 | 1KS25ME004 | BINITA SAI C | |
| 5 | 1KS25ME005 | CHINMAY S | |
| 6 | 1KS25ME006 | CHUKKA HEMANTH KUMAR | |
| 7 | 1KS25ME007 | D JYOTHISWAR | |
| 8 | 1KS25ME008 | DARSH KRISHNA U | |
| 9 | 1KS25ME009 | DHARANESH KUMAR D S | |
| 10 | 1KS25ME010 | GOUTHAM PRASAD B G | |
| 11 | 1KS25ME011 | K R RAHUL | |
| 12 | 1KS25ME012 | KT ADITHYA NAMBIDAR | |
| 13 | 1KS25ME013 | MAHALING PARAMANNA SHIVOOR | |
| 14 | 1KS25ME014 | MARNI MURAHARI KALYAN | |
| 15 | 1KS25ME015 | MOHAMMED MOHTASHIM | |
| 16 | 1KS25ME016 | NAVEEN VASISTA K M | |
| 17 | 1KS25ME017 | PRATHIK KUNDAR | |
| 18 | 1KS25ME018 | PUNITH C M | |
| 19 | 1KS25ME019 | RAGHAVENDRA PUNDALIKAPPA BAJANTRI | |
| 20 | 1KS25ME020 | RAMANA GOWDA | |
| 21 | 1KS25ME021 | RANJITH KUMAR B R | |
| 22 | 1KS25ME022 | SAI RAM V | |
| 23 | 1KS25ME023 | SANCHIT B A | |
| 24 | 1KS25ME024 | SANNABENNI KARTHIK MANJAPPA | |
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K. S. INSTITUTE OF TECHNOLOGY
An Autonomous Institution under VTU, Approved by AICTE
Accredited by NBA (CSE & ECE), NAAC with A+ & QS I-GAUGE (GOLD)
#14, Raghuvanahalli, Kanakapura Road, Bengaluru – 560109
Tel: 080-28435722/24. Fax: 080 – 28435723, e-mail ID: principal ksit@gmail.com website: www.ksit.ac.in

# A REPORT ON ONE DAY INDUSTRIAL VISIT TO WIPRO 3D

**Place of Visit:** Wipro 3D, Peenya, Bengaluru

**Date of Visit:** 12th May, 2026

**Introduction:**

The **Department of Mechanical Engineering, K. S. Institute of Technology**, organized an industrial visit for the 2nd semester students to **Wipro 3D, Bengaluru**, on **12th May 2026**. The objective of this visit was to provide the students with exposure to modern manufacturing technologies, particularly in the field of 3D printing and additive manufacturing. Such industrial visits help bridge the gap between theoretical learning and practical industrial applications, enabling students to gain a better understanding of emerging engineering technologies and industrial practices.

**Schedule and Proceedings:**

- **8:45 AM:** Students of 2nd semester Mechanical Engineering assembled at the campus of K. S. Institute of Technology. Attendance was taken, and students were briefed about the objectives of the industrial visit, safety instructions, and expected discipline during the visit.

- **10:00 AM:** Arrival at Wipro 3D, Bengaluru. The students and faculty members were welcomed by the company representatives and introduced to the organization and its activities in additive manufacturing technologies.

- **10:15 AM:** Visit to the **Metal Printing Section** – Students observed advanced metal additive manufacturing processes and gained an understanding of metal 3D printing technologies, industrial applications, and the importance of precision manufacturing.

- **10:45 AM:** Visit to the **Polymer Printing Section** – Students were introduced to polymer-based 3D printing techniques, materials used in additive manufacturing, prototyping methods, and product development applications.

- **11:15 AM:** Visit to the **Quality Control (QC) Section** – Students learned about inspection procedures, testing methods, quality assurance practices, and standards followed in additive manufacturing industries to ensure product reliability and accuracy.

- **11:45 AM:** The industrial visit concluded, and the students departed from Wipro 3D after expressing gratitude to the company officials for their guidance and support during the visit.

**Participant details:**

No. of participants in total: **22**

Students: **20**

Faculty – Prof. Saviraj A S, Mr. Venkataramana (Turner)

**Objectives of the Visit:**

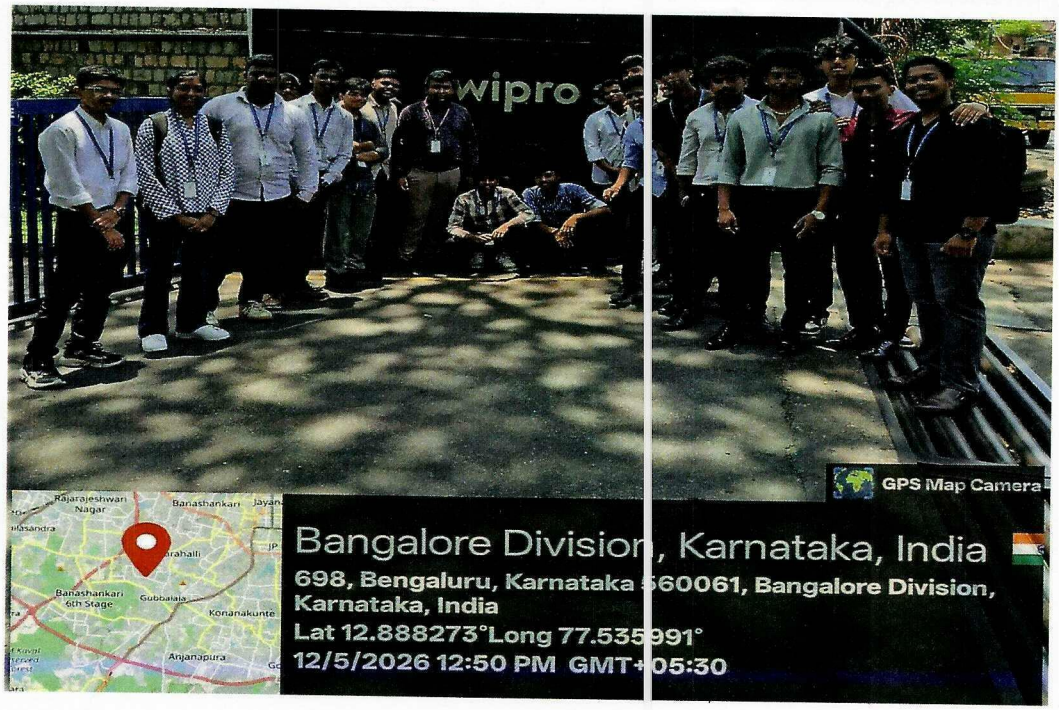
1. To provide students with exposure to **modern additive manufacturing and 3D printing technologies** used in industries.
2. To understand the working principles and applications of **metal and polymer 3D printing systems**.
3. To familiarize students with **advanced manufacturing practices, prototyping methods, and industrial workflows** followed at Wipro 3D.
4. To study the **quality control and inspection procedures** adopted in additive manufacturing industries.
5. To bridge the gap between **theoretical engineering concepts and real-world industrial applications**, thereby enhancing students' technical knowledge and awareness of emerging technologies.

**Outcomes of the visit:**

1. Students were able to understand the **working principles and industrial applications of metal and polymer 3D printing technologies**.

2. Students gained knowledge about **additive manufacturing processes, prototyping techniques, and modern manufacturing practices** used in industries.
3. Students developed an understanding of **quality control procedures and inspection methods** followed in advanced manufacturing industries.
4. Students were able to relate **theoretical engineering concepts with practical industrial applications**, thereby enhancing their awareness of emerging technologies and career opportunities in additive manufacturing.

**Photos:**

The Department of Mechanical Engineering expresses its sincere gratitude to the **Management, Principal, and Head of the Department** for their constant encouragement and support in organizing this industrial visit. We also thank the **Transport Department** for arranging the bus facility, which ensured the smooth and safe travel of students.

**PO/PSO Mapping Table – Industrial Visit to Ace Designers Ltd.**

| Outcomes of IV | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 | PO11 | PSO1 | PSO2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Understand the working principles and industrial applications of metal and polymer 3D printing technologies. | 3 | 1 | 2 | – | 3 | – | – | – | – | – | 2 | 3 | 1 |
| Gain knowledge about additive manufacturing processes, prototyping techniques, and modern manufacturing practices. | 3 | 1 | 2 | – | 3 | 1 | – | – | – | – | 2 | 3 | 1 |
| Develop understanding of quality control procedures and inspection methods followed in advanced manufacturing industries. | 2 | 1 | 2 | – | 2 | 2 | 1 | – | – | – | 2 | 2 | 1 |
| Relate theoretical engineering concepts with practical industrial applications and emerging technologies. | 2 | 1 | 2 | – | 2 | 1 | – | – | – | – | 3 | 2 | 1 |

## PROGRAM OUTCOMES (POs):

**PO1: Engineering Knowledge:** Apply knowledge of mathematics, natural science, computing, engineering fundamentals and an engineering specialization as specified in WK1 to WK4 respectively to develop to the solution of complex engineering problems.

**PO2: Problem Analysis:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions with consideration for sustainable development. (WK1 to WK4)

**PO3: Design/Development of Solutions:** Design creative solutions for complex engineering problems and design/develop systems/components/processes to meet identified needs with consideration for the public health and safety, whole-life cost, net zero carbon, culture, society and environment as required.

**PO4: Conduct Investigations of Complex Problems:** Conduct investigations of complex engineering problems using research-based knowledge including design of experiments, modelling, analysis & interpretation of data to provide valid conclusions. (WK8).

**PO5: Engineering Tool Usage:** Create, select and apply appropriate techniques, resources and modern engineering & IT tools, including prediction and modelling recognizing their limitations to solve complex engineering problems. (WK2 and WK6)

**PO6: The Engineer and The World:** Analyze and evaluate societal and environmental aspects while solving complex engineering problems for its impact on sustainability with reference to economy, health, safety, legal framework, culture and environment. (WK1, WK5, and WK7).

**PO7: Ethics:** Apply ethical principles and commit to professional ethics, human values, diversity and inclusion; adhere to national & international laws. (WK9)

**PO8: Individual and Collaborative Team work:** Function effectively as an individual, and as a member or leader in diverse/multi-disciplinary teams.

**PO9: Communication:** Communicate effectively and inclusively within the engineering community and society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations considering cultural, language, and learning differences

**PO10: Project Management and Finance:** Apply knowledge and understanding of engineering management principles and economic decision-making and apply these to one's own work, as a member and leader in a team, and to manage projects and in multidisciplinary environments.

**PO11: Life-Long Learning:** Recognize the need for, and have the preparation and ability for i) independent and life-long learning ii) adaptability to new and emerging technologies and iii) critical thinking in the broadest context of technological change. (WK8)

## PROGRAM SPECIFIC OUTCOMES (PSOs):

**PSO1:** Ability to apply concept of mechanical engineering to design a system, a component or a process/system to address real-world challenges.

**PSO2:** Ability to develop effective communication, team work, entrepreneurial and computational skills.

## Justification for PO/PSO mapping:

**PO1 – Engineering Knowledge:** Students applied fundamental mechanical engineering concepts to understand additive manufacturing systems, metal and polymer 3D printing technologies, quality control procedures, and industrial manufacturing practices observed during the visit.

**PO2 – Problem Analysis:**The visit enabled students to analyze industrial manufacturing methods, identify process-related challenges, and understand the importance of process optimization and inspection in additive manufacturing industries.

**PO3 – Design/Development of Solutions:** Exposure to prototyping techniques, product development, and additive manufacturing processes helped students understand how modern engineering solutions are designed to meet industrial requirements.

**PO5 – Engineering Tool Usage:** Students were exposed to advanced additive manufacturing systems, industrial software, and modern engineering tools used in metal and polymer 3D printing applications.

**PO6 – The Engineer and The World:** The visit provided awareness regarding industrial safety, sustainable manufacturing practices, and the impact of advanced manufacturing technologies on industry and society.

**PO7 – Ethics:** Students observed professional discipline, industrial safety practices, and ethical responsibilities followed in manufacturing industries.

**PO11 – Life-Long Learning:** Exposure to emerging technologies such as additive manufacturing and industrial automation motivated students toward continuous learning and adaptability to modern engineering advancements.

## Justification for PSO Mapping:

**PSO1 – Application of Mechanical Engineering Concepts:** The visit enhanced students' understanding of applying mechanical engineering concepts to modern manufacturing systems, additive manufacturing technologies, and industrial processes used to address real-world engineering challenges.

**PSO2 – Communication, Teamwork, and Computational Skills:** Students gained limited exposure to professional interaction and technical awareness, contributing to the development of communication and collaborative learning skills.

14/05/26

**Industrial Visit coordinator**

14/5/2026

**HOD - ME**
Head of the Department
Dept. of Mechanical Engg.
K.S. Institute of Technology
Bengaluru - 560 109.

**Principal**
PRINCIPAL
K.S. INSTITUTE OF TECHNOLOGY
BENGALURU - 560 109.

# Feedback Form – Industrial Visit to Wipro 3D

20 responses

Publish analytics

## NAME

20 responses

Sannabenni karthik manjappa

Chinmay.s

Mahaling

Darsh Krishna U

K R RAHUL

Goutham Prasad BG

SAI RAM v

Marni Muraharikalyan

Prathik kundar

Binita Sai C

Dharanesh kumar ds

Punith cm

Ayush raj

KT Adithya Nambiar

Raghavendra

C HEMANTH KUMAR

Ramanagouda

Sanchit BA

Mohammed Mohtashim

Ranjith Kumar B R

## USN

20 responses

1ks25me024

1KS25ME005

1ks25me013

1KS25ME008

1Ks25me011

1KS25ME010

1KS25ME022

1KS25ME014

1ks25me017

1KS25ME004

1KS25ME009

1ks25me018

1KS25ME002

1KA25ME012

1KS25ME019

1KS25ME006

1ks25me020

1ks25me023

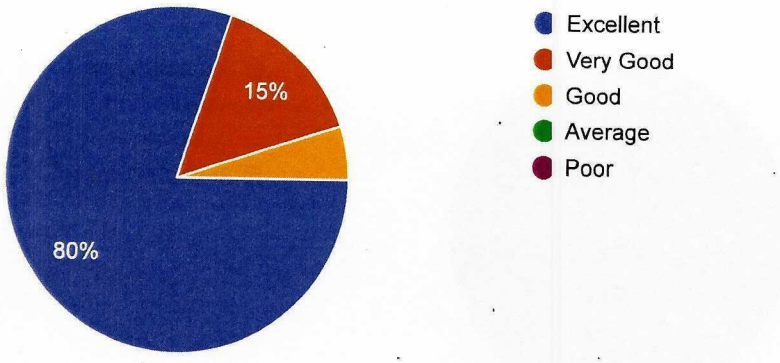
1KS25ME015

1ks25me021

## 1. How would you rate the overall industrial visit expe ience?

Copy

20 responses




## 2. How relevant was the industrial visit to your Mecha ical Engineering curriculum?

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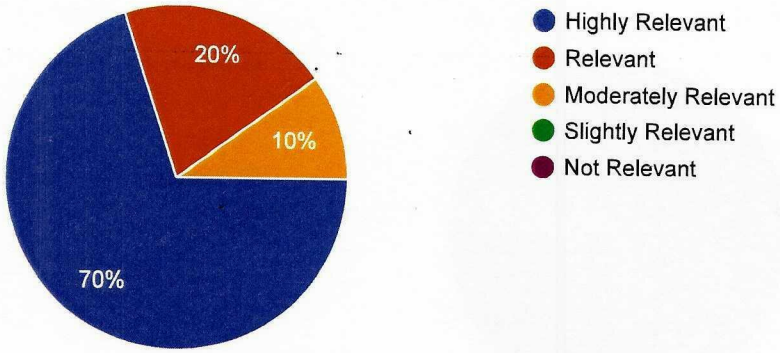
20 responses




## 3. How effectively were the industrial processes and te chnologies explained by the company representatives?

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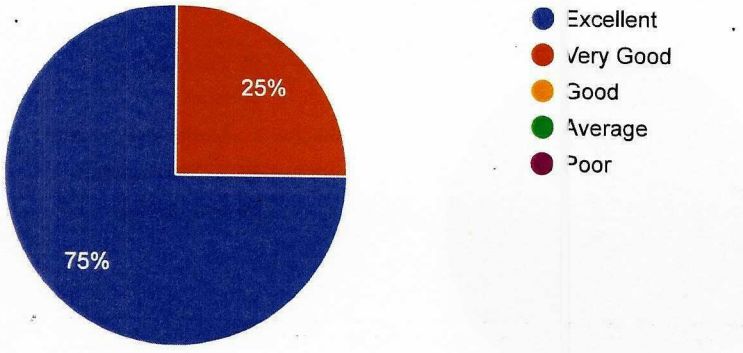
20 responses



**4. Did the industrial visit help you understand real-time industrial applications of mechanical engineering concepts?**

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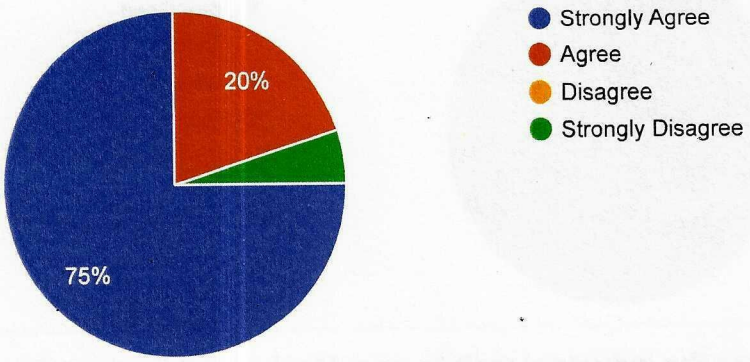
20 responses




**5. How would you rate the arrangements and coordination of the industrial visit?**

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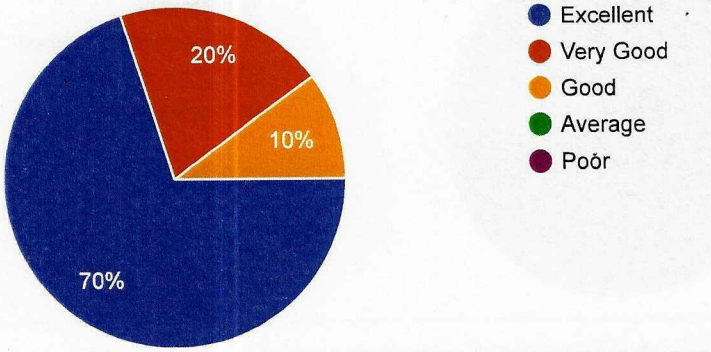
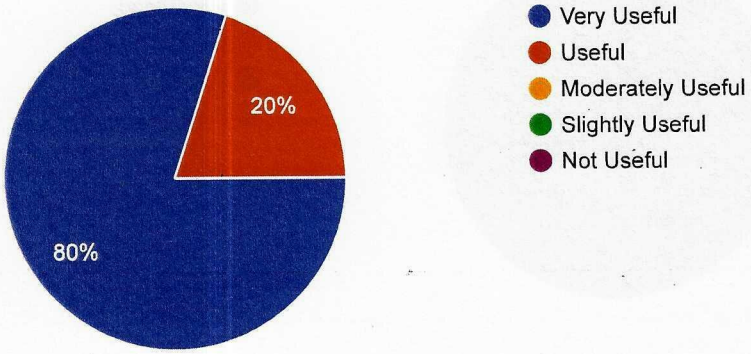
20 responses




**6. Were the demonstrations and facility tour at Wipro 3D useful for your learning?**

Copy

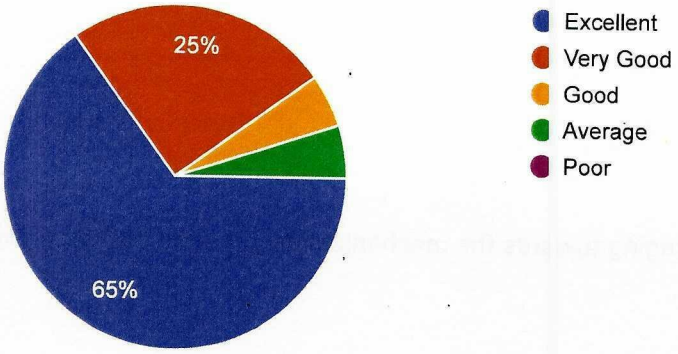
20 responses



**7. How would you rate the interaction opportunities p ovided during the visit?**

Copy

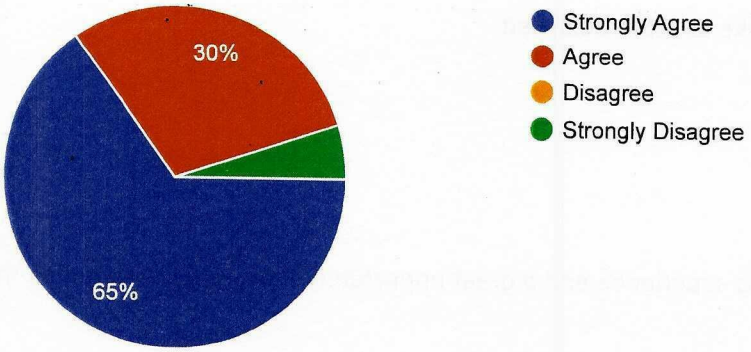
20 responses




**8. Did the visit increase your interest in advanced mar ufacturing and emerging technologies?**

Copy

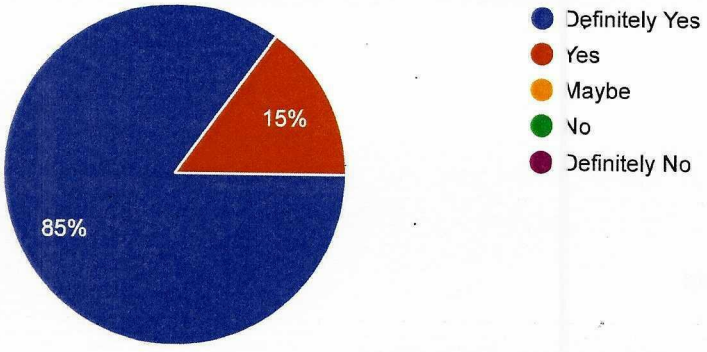
20 responses




**9. Would you like to participate in similar industrial vis ts in the future?**

Copy

20 responses



## 10. Any other comments or suggestions regarding the industrial visit?

20 responses

No

Nope

It's very nice, very encouraging towards the mechanical engineering course, provide more visits similar like this
Thank you 🙏

It showed us different methods manufacturing various products rather than the somebof the conventional ways I used to know...

Noo

Very nice should take to more field visit

Good experience

Better useful

It's was an amazing experience and a great opportunity that we got to witness this industry..
ThanQ

Good visit

NTG

Super

None

Super it was usefull

Noo ntg it went on good

Overall it was a very good information and useful

| NAME | USN | 1. How would you rate the overall industrial visit experience? | 2. How relevant was the industrial visit to your Mechanical Engineering curriculum? | 3. How effectively were the industrial processes and technologies explained by the company representatives? | 4. Did the industrial visit help you understand real-time industrial applications of mechanical engineering | 5. How would you rate the arrangements and coordination of the industrial visit? | 6. Were the demonstrations and facility tour at Wipro 3D useful for your learning? | 7. How would you rate the interaction opportunities provided during the visit? | 8. Did the visit increase your interest in advanced manufacturing and emerging technologies? | 9. Would you like to participate in similar industrial visits in the future? | 10. Any other comments or suggestions regarding the industrial visit? |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ayush raj | 1KS25ME002 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | No |
| Prathik kundar | 1ks25me017 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | Better useful |
| SAI RAM v | 1KS25ME022 | Excellent | Highly Relevant | Excellent | Strongly Disagree | Excellent | Very Useful | Excellent | Strongly Disagree | Definitely Yes | |
| Binita Sai C | 1KS25ME004 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | It's was an amazing experience and a great opportunity that we got to witness this industry.. ThanQ |
| Darsh Krishna U | 1KS25ME008 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | It showed us different |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | methods manufacturing various products rather than the somebof the conventional ways I used to know... |
| Chinmay.s | 1KS25ME005 | Excellent | Moderately Relevant | Excellent | Strongly Agree | Very Good | Very Useful | Excellent | Strongly Agree | Definitely Yes | It's very nice, very encouraging towards the mechanical engineering course, provide more visits similar like this Thank you ðŸ™ðŸ½ |
| Raghavendra | 1KS25ME019 | Good | Moderately Relevant | Very Good | Agree | Good | Useful | Average | Agree | Yes | Super |
| Sannabenni karthik manjappa | 1ks25me024 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | Nope |
| Punith cm | 1ks25me018 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | NTG |
| Dharanesh kumar ds | 1KS25ME009 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | Good visit |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Mohammed Mohtashim | 1KS25ME015 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | . |
| Ramanagouda | 1ks25me020 | Very Good | Relevant | Very Good | Agree | Very Good | Useful | Very Good | Agree | Yes | Super it was usefull |
| KT Adithya Nambiar | 1KA25ME012 | Excellent | Highly Relevant | Excellent | Strongly Agree | Very Good | Very Useful | Very Good | Strongly Agree | Definitely Yes | No |
| Sanchit BA | 1ks25me023 | Excellent | Relevant | Excellent | Strongly Agree | Excellent | Useful | Very Good | Agree | Definitely Yes | Noo ntg it went on good |
| K R RAHUL | 1Ks25me011 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | Noo |
| Goutham Prasad BG | 1KS25ME010 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | Very nice should take to more field visit |
| Marni Muraharikalyan | 1KS25ME014 | Excellent | Highly Relevant | Excellent | Strongly Agree | Excellent | Very Useful | Excellent | Strongly Agree | Definitely Yes | Good experience |
| C HEMANTH KUMAR | 1KS25ME006 | Very Good | Relevant | Very Good | Agree | Excellent | Useful | Very Good | Agree | Yes | None |
| Ranjith Kumar B R | 1ks25me021 | Very Good | Highly Relevant | Very Good | Strongly Agree | Very Good | Very Useful | Very Good | Agree | Definitely Yes | Overall it was a very good information and useful |
| Mahaling | 1ks25me013 | Excellent | Relevant | Very Good | Agree | Good | Very Useful | Good | Agree | Definitely Yes | No |