

A Report

On

“Industrial Visit – Indogerman Tool room ”

For the Students of Mechanical Engineering Department. (Semester – V)

On 6 and 7th December 2023. (Wednesday and Thursday)

- **Objective:** “Training and Exposure on the working of a CNC Lathe, CNC Milling, Semi-Automatic, automatic and Manual Lathe machine, Drilling machine, Robotics related to the subject of Modern Manufacturing Processes and System in Sem V”
- **Venue:** “**Indogerman Tool room, Vatva, Ahmedabad, Gujarat.**
- **Number of Students:** 55 Present out of 83 registered Students
(V semester, Mechanical Engineering)
 - **Head of the Department:** Mrs. Prexa Parikh
 - **Faculty Coordinator’s:**
 1. Mr. Milan D. Trivedi (Asst. Prof. Mechanical Engg. Dept.)

1.1 OVERVIEW:

The number of students who attended the visit was 55 accompanied by 1 faculty members.

The purpose of our visit to Indogerman Tool Room in Ahmedabad was to gain practical insights into the tooling industry and understand the advanced manufacturing processes employed by the company.

Indogerman Tool Room is known for its expertise in providing precision tooling solutions and services to a wide range of industries.

Initial the Procedure were briefed by Lokesh oza Sir, Admin Department and then Production Person were allotted to explain about the different departments of the company.

Under their guidance and along with 4 faculties, students were then led to visit Manufacturing unit of plant.

To put it briefly, following sections of the Zeeta were visited.

- Design Department
- Production unit
- Training centre.

1.2 Features of Company:

- Founded in 1990.

Indogerman Tool Room, located in Ahmedabad, is a leading player in the tooling industry. The facility boasts state-of-the-art infrastructure and advanced technologies to design and manufacture precision tools. The company specializes in producing molds, dies, and other tooling solutions that cater to the needs of industries such as automotive, aerospace, electronics, and more.

1.3 Manufacturing and Machine department:

During our visit, we had the opportunity to tour the entire facility, which was well-organized and equipped with modern machinery. The key areas of the facility included:

1. Design and Engineering Section:

- Witnessed the CAD/CAM software used for designing molds and dies.
- Learned about the design validation processes to ensure accuracy and efficiency.

2. Machining and Fabrication Section:

- Observed CNC machining centers and precision machining processes.
- Discussed the use of advanced materials and tools in the fabrication of molds.

3. Quality Control Department:

- Explored the quality control measures in place to ensure the precision and durability of tools.
- Discussed the use of metrology equipment and inspection techniques.

4. Training Center:

- Learned about the training programs offered by Indogerman Tool Room to enhance the skills of professionals in the tooling industry.
- Discussed the importance of skill development in the manufacturing sector.

1.4 Interactions with Industry Experts:

We had the opportunity to engage in insightful discussions with experts from Indogerman Tool Room. Topics covered included:

1. Technological Advancements:

- Discussed the adoption of Industry 4.0 technologies in tool manufacturing.
- Explored how automation and digitization are enhancing efficiency.

2. Challenges and Solutions:

- Explored the challenges faced by the tooling industry and the innovative solutions implemented by Indogerman Tool Room.

3. Market Trends:

- Gained insights into current market trends and demands in the tooling industry.
- Discussed the company's strategies for staying competitive in a dynamic market.

1.5 Photography

Photography was prohibited inside plant premises, so group photo was taken outside the plant.

L. J. INSTITUTE OF ENGINEERING AND TECHNOLOGY – AHMEDABAD.

MECHANICAL ENGINEERING DEPARTMENT





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MECHANICAL ENGINEERING DEPARTMENT







SUMMARY AND OUTCOME OF THE VISIT

- The visit to Indogerman Tool Room provided a comprehensive understanding of the tooling industry and its intricacies. The facility's commitment to precision, advanced technology, and continuous improvement was evident throughout the tour. The insights gained during the visit will be valuable for our academic and professional development in the field of manufacturing and tool engineering..

Below are listed feedbacks of few of the students

1. Practical exposure to student.
2. The visit has helped them to understand their already learned subject.

ACKNOWLEDGEMENT

The coordinators are grateful to the College authorities, Management and the Vice President – Dr. Manish Shah (LJK Trust) for supporting them to carry out such a program and for providing the support. Secondly, the coordinators would like to thank Dr. A.C. Suthar – Director (L.J.I.E.T.), who encouraged the coordinators for this program. Also, the coordinators extend their gratitude to the Head of the Department – Mrs. Prexa Parikh, who has played a major role by being there at the time of need. Last but not the least; the students did a wonderful job and the coordinators are proud of each of their students.



Milan Trivedi <milan.trivedi_ljet@lku.edu.in>

Seeking permission for Industrial visit

Mon, Dec 4, 2023 at 3:58 PM

info igtrahd <info@igtrahd.com>

To: Milan Trivedi <milan.trivedi_ljet@lku.edu.in>

Cc: PREXA PARIKH <prexa.parikh@ljinstitutes.edu.in>

Dear Sir,

Herewith we confirm your **Industrial Visit** at IGTR, Ahmedabad as per following:

Date	Time	No. of Visitors	Domain
06/12/2023 Wednesday	02.30 PM	30 Students + Faculties	BE 5th Sem. Mechanical
07/12/2023 Thursday	02.30 PM	53 Students + Faculties	

Total visit time: Approx. 2.00 hrs.

Please give strict instructions to the students to wear shoes while visiting the IGTR.

Kindly confirm your visit and workshop via return mail with the data of students as per format attached; so that we can book the date and time for you.

Please feel free to contact us in case of any query.

Regards,

Admission Team
Indo German Tool Room, Ahmedabad
9099041986, 9099040868

[Quoted text hidden]



Format for Data of Students.xlsx
10K

Name of College: LJ Institute of Engineering and Technology

Branch: Mechanical

(A)

Roll No	Name of Student	Sign
1	MAURYA RAHULKUMAR RAJENDRAKUMAR	
2	BHAYANI SANDIPKUMAR ANILBHAI	21/3/2014
3	PATEL PAVAN SAURABHKUMAR	
4	SAINI VISHVAJEET GURPREET	Vishvajeet
5	PATNI HARSH SURESHBHAI	Hars
6	AGRAWAL UDIT SANJAYKUMAR	Udit
7	SHAH YASH VINODBHAI	
8	PARMAR SUMIT MERUBHAI	
9	BHUDIYA DHARMIK	
10	CHAVDA DEEP UMESHBHAI	Deep
11	SHARMA DEV SUNIL	Dev
12	USADADIYA MEETKUMAR HARSUKHBHAI	Meet
13	PATEL MANAN JATINBHAI	M.J. PATEL
14	JOSHI DHRUV RAJESH	Dhruv
15	MEHADIHASAN AKBARALI MOMIN	Mehdi
16	OZA OM AJAYKUMAR	
17	JAIVAL KOTHARI	
18	PATEL SHAIL JAYESHKUMAR	Shail
19	PATEL DHRUV NAYANBHAI	Dhruv
20	MANSURI MAHIR AIYUBBHAI	
21	CHRISTIAN ELSON RODRICKS	Chris
22	SHARMA PREET BHAVINKUMAR	Preet
23	AAGAM SHAH	Aagam
24	KHADELA ARYAN VIJAYBHAI	A
25	SAKHARELIYA DHRUV NILESHBHAI	Dev
26	SANGANI KAUSHAL JAYESHBHAI	Kaushal
27	MANDAVIYA SHIVAM PRAVINKUMAR	
28	PATEL KUSH KAMLESHBHAI	Kush
29	PRAKASH NISHANT RAKESH	
30	NAKRANI SAHIL MAHENDRBHAI	

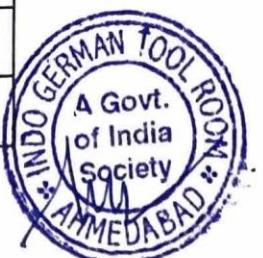


Name of College: L J Institute of Engineering and Technology
 Branch: Mechanical

Sem: V

(B)

Roll No	Name of Student	Sign
31	SHARMA DHRUVAL KIRANKUMAR	
32	PUROHIT CHIRAG YAGNESHBHAI	
33	SHAIKH MO MUJAHID MO RAFIK	
34	MISHRA SHIVAM SURESH	
35	OZA RYTHAM RAMNIKBHAI	
36	PATEL JAYKUMAR NAreshBHAI	
37	GANGANI VISHAL DINESHBHAI	V. D. CK
38	BHAVSAR GOPAL MUKESHBHAI	
39	PURENIA YATHARTH DINESHBHAI	
40	KUKARVADIYA HARSH PRAVINBHAI	
41	BRAHMKSHATRIYA SMIT JAYESH	
42	YADAV SACHINKUMAR LALJI	
43	BUTANI ARYAN RAMESHBHAI	
44	JEET BHAVSINH KHER	
45	GADHVI JIVANTIKA RAMDANBHAI	
46	RANPARIYA BANSILKUMAR RAJESHBHAI	
47	ARYA SURAJCHANDRA CHANDANLAL	
48	ACHARYA SUJAL ASHISH	
49	KALAL JAYESHKUMAR BANSILAL	
50	SOHELKHAN ATAULLAHKHAN	
51	DHRUV SHARMA	
52	JAIMIN GALIYEL	
53	RAVAL DIVYAKUMAR HRIDAYNATH	
54	PATEL KIRTAN VIJAYKUMAR	
55	AKBARI DHRUV JIVRAJBHAI	
56	THAKKAR SMEET MUKESHBHAI	
57	SHUKLA AKSHAT RAJESHBHAI	



(C)

Roll No	Name of Student	Sign
58	MAJITHIYA JEET PARESHBHAI	
60	SAHILKUMAR BERA	Ki
61	PANCHAL DEEP BIPINKUMAR	Dipu
62	PRASAD RAJEEV RAJENDRA	R. Patel
63	RATHOD GAURAV VIJAYBHAI	
64	PATEL DHRUV VIKRAMBHAI	Dhruv
65	PATEL DHRUVKUMAR VIJAYBHAI	
66	PRAJAPATI UMANG PRAKASHBHAI	Umang
67	PATEL JAY KIRTIKUMAR	Jay
68	JARADI YASH MUKESHKUMAR	Yash
69	SHAH AMAN DEVANG	Aman
70	SHAH VANSH VIPULBHAI	Vansh
71	PATEL DHARMIK HARIKRUSHNA	Dharmik
72	JADEJA MAYURRAJSINH	
73	CHAUHAN HARSHRAJSINH JAYDEEPSINH	Harsh
74	PATEL AMAN MAULIKKUMAR	
75	KANAKHARA VATSAL RUPEN	Vatsal
76	PATEL AAKASH SHASHIKANTBHAI	
77	SISODIYA SHAILENDRA SINGH GHANSYAM SINGH	
78	PATEL VAIDIK GHANSHYAMBHAI	Vaidik
79	PANCHAL SMIT VASUDEVBHAI	
80	PATEL DHRUV SHAILESHKUMAR	Dhruv
81	PATEL MEET NARENDRA BHAI	
82	CHOTARA DEEP RAJESHBHAI	
83	PATIL VAIBHAV POPATBHAI	Vibhav
84	SOLANKI BHAVESH DIPAKBHAI	

