



**Uka Tarsdia University**  
**Automobile Engg. Dept.**  
**CGPIT**

**Field Visit / Industrial Visit**  
**YANTRA Design**

**Date:** March 21, 2024

**Venue:** Yantra Design Pvt. Ltd., Palsana

**Time:** 10:00 am to 2:30 pm

**Total No. of Participants:** 7

**Event Coordinator:** Prof. Haresh Ghoniya

**Program objective:** To understand the manufacturing of CNC machine.

**Program outline:**

- Introduction to various equipment used for CNC manufacturing and its Components and Functions.
- Understanding Installation, Operation, and assembly of various components and its testing.

**Program outcomes:**

- Enhanced Understanding: Participants grasp the functionality and importance of various CNC machine component/system.
- Practical Knowledge: Participants gain insights into assembly issues and maintaining quality in performance.

## Schedule of Event

Time	Activity
10:00 am	Started from College
10:30 am	Reached to Yantra Design,
2:00 pm	Started return Journey
2:30 pm	Reached UTU, Maliba Campus

## List of Participants

Name of Participant	Enrolment No	Stream	Name of Program
Om Kalathiya	202203103510314	B.Tech.	Automobile Engineering
Aditya Dharmeshkumar Patel	202203103510421	B.Tech.	Automobile Engineering
Rahul Rahul Mewara	202203103510432	B.Tech.	Automobile Engineering
Rohan Kansara	202303103520024	B.Tech.	Automobile Engineering
Harshalkumar Chaudhari	202303103520025	B.Tech.	Automobile Engineering
Vinitkumar Dipaksinh Desai	202303103520057	B.Tech.	Automobile Engineering
Rashesh Savaliya	202303103520085	B.Tech.	Automobile Engineering

## Event Introduction:

The field visit conducted on March 21, 2024, by Yantra Design, proprietor Mr. Rohit Pansara, aimed to provide second year B.Tech. automobile engineering students with insights into the various system of CNC machine, particularly focusing on the speed and feed drive and control panel. This event held great significance as it bridged theoretical knowledge with practical application, offering students real-world exposure to automated base manufacturing machine, crucial for their academic and professional development.

## Key Highlights:

- In-depth Demonstration: Students were given a comprehensive overview of the CNC structures for various application, highlighting its key components, functioning, and importance to meet the industrial need.
- Testing and Assembly: Students got the insight of how the various components are assembled and its testing for the efficient working in at a micron level accuracy.
- Industry Relevance: Discussions revolved around the significance of CNC machine in various industry including the machine used for L&T's Bullet Train project.



## **Concluding Remarks**

- The objectivity of the program as per the NAAC criteria
- Mention the NAAC criteria and its relevance.

Industrial visits primarily fall under the following criteria of NAAC:

- **Criterion 4: Infrastructure and Learning Resources**  
This criterion assesses the adequacy and utilization of infrastructure and learning resources, including external resources such as industrial visits, to enhance the quality of education and student learning outcomes.
- **Criterion 5: Student Support and Progression**  
This criterion evaluates the effectiveness of student support services, including career guidance and counseling, in facilitating student progression and ensuring their holistic development. Industrial visits play a crucial role in providing students with exposure to industry practices and potential career pathways.

Report prepared by: Prof. Haresh R. Ghoniya

Date: 25<sup>th</sup> March 2024

Sign of the HOD

Prof. Darshan A. Kapadia

Sign of Director

Prof. B. M. Vadher

