



**KHYATI
SCHOOL OF
ENGINEERING**

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT - 2020

DATE – 14/02/2020 (FRIDAY)

TIME – 10:30 AM Onwards

PLACE OF VISIT:

HIGH TECH INDUSTRIES & EVEREST INDUSTRIES

Plot No. 418,
Road no. 10, Phase-II
Kathwada-GIDC,
Kathwada,
Ahmedabad – 382430

Industrial Visit – HIGH TECH INDUSTRIES & EVEREST INDUSTRIES

As a part of GTU curriculum, Mechanical Department of Khyati School of engineering organized an industrial technical visit for students of 4th semester (2nd year) Mechanical Engineering students at **High Tech Industries & Everest Industries**.

Diploma Mechanical Engineering in its 2nd year inculcates an important subject of Manufacturing Engineering -II for the students which includes a broad concept of Manufacturing Techniques.

To understand the advance technicality and practical approach to the manufacturing process and to understand the same in the industry environment was the basic aim of this industrial visit.

The visit was organized on 14 February, 2020 [Friday] from 10:00 am onwards.

• **DESCRIPTION OF THE VISIT**

The visiting team included 20 students of mechanical department accompanied by faculty of the department Mr. Nairut Shah. Around 10:00am we entered the premises of both the Industries as they are located in same compound. Firstly, we visited High Tech Industries. We were given a warm welcome with welcoming speech and thereafter we were explained safety measures to be taken in the Industry by Mr. Bhupendra Mewada, Proprietor of Everest Industries. Then they introduced us the machines in the Industry.

❖ **LATHE MACHINES:**

In this shop, we were explained about how the measures should be taken in a Vernier Caliper & Micrometer. Then they showed us different sizes of gauges and different parts of lathe and also explained the working principle of the lathe machines and also its construction. There were two types of chuck in lathe i.e., Four jaw chuck and Three jaw chuck. Thereafter we were taken towards shaping section.



❖ **SHAPING MACHINE:**

In this shop, they made us aware about the working of the Shaping machine and its construction and also taught us how to maintain the speed of the machine according to the workpiece and also warned us that during the working of this machine one person should always compulsorily stay with the machine because it works even after the required completion and finishing of our job is done. Then we went towards Drilling section.

❖ **HORIZONTAL DRILLING:**

He showed us the Drilling machine in which spindle moves in downwards direction towards the workpiece which is stationary.

Then we entered Everest industries where they showed us CNC & VMC machines.

❖ **Computerized numerical control (CNC) Turning Center & Vertical Machining Center (VMC)**

CNC machine having capacity of center to center length of 1200 mm and was fully computerized which also had an alarm of three different colors for safety. Machine will automatically stop after the required shape and size of the component is achieved.

They also explained us the programming to be done to run the CNC machines.



❖ **ENDING THE VISIT:**

Around 1:00 PM students finished visiting the entire industry and were thoroughly satisfied with each and every shop of the Industry.

Students were then offered snacks as part of the hospitality.

❖ **VOTE OF THANKS:**

The students of Mechanical Department fully enjoyed the Industrial visit and would like to thank Mr. Hitendra Mevada and Mr. B.S Mevada for their invaluable time and guidance throughout the visit.

The students of Mechanical Department would also like to thank Dr. Shital Shah, Principal and Mr. Kartik Patel, Trustee and Binita Mam, Director for allowing us to go for an intriguing Technical Visit.



Mr. Nairut Shah
Mechanical Department,
Khyati School of Engineering.