



Sandip Foundation's  
**Sandip Institute of Technology and Research Center**  
Mahiravani, Trimbak Road, Tal. & Dist. Nashik-422213  
**Department of Mechanical Engineering**

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Date: 01/09/2016

## **Report of Industrial Visit of TE Mechanical Students to Bill Industries, Ambad MIDC, Nashik under the subject "Hydraulics and Pneumatics"**

### **Objective of Activity:**

- Students will get Preliminary knowledge of Hydraulic Circuits and different components of hydraulic circuit.
- Students will study how the hydraulic press is working.
- Students will understand different steps involved in automation using hydraulics and pneumatic systems.
- Students will understand how the spot welding is done by using pneumatic circuits.
- Students will understand and practically see the different operations and safety measures in an automation industry.

### **Outcomes of Activity:**

- Student got Preliminary knowledge of Hydraulic Circuits and different components of hydraulic circuit.
- Students studied the hydraulic press.
- Students understood different steps involved in automation using hydraulics and pneumatic systems.
- Students learnt the spot welding application by using pneumatic circuits.
- Students understood the practical applications with different operations and safety measures in an automation industry.

**Name of Event : Industrial Visit of TE Mechanical Students to Bill Industries, Ambad MIDC, Nashik under the subject "Hydraulics and Pneumatics"**

**Name of Industry** : **Bill Industries, J-57, Ambad MIDC, Nashik.**

**Students visited** : All Students of TE A & B

**Name of Coordinators** : Prof. J N Yadav & Prof. P B Kuyate

**Organized by** : Department of Mechanical Engineering

### **Description of the Industrial Visit :**

Industrial visit to TE Mechanical Students to Bill Industries, Ambad MIDC, Nashik under the subject " Hydraulics and Pneumatics" was arranged for Third Year Mechanical Engineering Students. Total 140 Students and 05 Staffs Members were present for the plant visit. Prof. P. S. Shirsath took the permission from Manager, Bill Industries to visit industry by considering the academic importance and practical exposure to students for Hydraulics and Pneumatics Subject. As a part of academic, it is mandatory to conduct industrial visit to a industry having applications of hydraulics and pneumatics according to T.E. Mechanical syllabus, University of Pune.

Mr. Kohli, Mr. Patil, Mr. Gade guided our students during plant visit, they had explained in detail the process flow, set up available with the company, technical specification of the machines and use & applications of the resources.

Bill Industries are known for the Mfg Of Automobile Components Press Shop; Spot Welding Assembly And also the Supplier to Mahindra And Mahindra.

This industrial visit was a very successful and students will have definitely an added advantage of practically observing the processes. For the arranging this Industrial Visit Prof. Pankaj Shirsath had taken the efforts.



**Photo 1: Group photo during Industrial Visit**



**Photo 2: Students observing Pneumatic Systems such as pneumatic gun for spot welding**



**Photo 3: At spot welding zone**



**Photo 4: With Manager and employees of Bill Industries**



**Photo 5.:Vote of thanks to Bill Industries**