

A Report on Industrial visit at

'Pethe Brake Motors, Modka Agar, Guhagar'

By

Mr. Yogesh Y. Katdare

Convener

Department of Electrical Engineering,

VPM's MPCOE, Velneswar

Friday 25th February 2022

Report

Department of Electrical Engineering have successfully organized Industrial visit at Pethe Brake motors, Modka Agar for Third Year Electrical Engineering Students.

Students reported company at morning at 9:30 am. Mr. Yogesh Katdare and Mrs. Priti Sathe were also present as a mentor faculties with the students for industrial visit. First of all, students have shown industry's common workshop. Some fully automatic and semi-automatic drilling machines were shown to students along with its programing and codes.

After that students met to Mr. Dipak Katdare. Mr. Katdare explained us company product and its importance, its applications. Mr. Katdare also shown us various books and manuals of Indian standards which their company is being referred for manufacturing. After his informative introduction, students were shown hydraulic and pneumatic pressure machine in which pressure is controlled by PLC programing and its G-code as well as M-code.

CNC lathe machine was also shown to students. All these machines were shown along with their main programing in order to get knowledge about 'PLC and its application in industrial Automation.'

After that students visited Electrical department of the company. In Electrical Department, students were shown how Motor high voltage testing is carried out. This high voltage testing is carried out in order to measure the insulation resistance and reliability of insulation. 2000 volts are applied to the motor terminals and test is performed.

Also we have shown how winding is performed, how coils are made, how wire gauge is determined, various Indian standards of motor dimensions etc.

Afterwards we also seen how brakes are made and how those brakes can able to stop the motor suddenly. Brake testing is also shown to us. Various programmed machinery and skill of company employees was literally joy to watch.

Finally we met again to Mr. Dipak Katdare and we were thankful to him for giving us so much wonderful opportunity to organize industrial visit in their esteemed organization.

To make this visit successful, Dr. Vijay Bedekar (Chairman of VPM, Thane), Mr. Avinash Pawar (Principal MPCOE) and Mr. Satish Ghorpade (HOD Electrical) have taken special efforts.

Some photographs are herewith.



Mr. Katdare Yogesh Y.
Industrial visit coordinator

Mr. Satish N. Ghorpade
HOD.