

GOVERNMENT ENGINEERING COLLEGE, VALSAD
CHEMICAL ENGINEERING DEPARTMENT

Report
on
Virtual Industrial visit
at
Macro Polymer Pvt Ltd, Moraiya, Ahmedabad

26 OCTOBER 2020

Details of Virtual Industrial Visit

Name of industry: Macro Polymer Pvt. Ltd, Moraiya Ahmadabad

Date of Visit: 26-10-2020

Name of department: Chemical Engineering department

Number of Participants: 176

Event coordinators: Dr N. M. Patel, Prof A. R. Magodara & Dr. S. K. Shrivastava

Objectives of industrial visit:

- To demonstrate Polymer resin production.
- To demonstrate the working & operations of various chemical reactors involved in the above process and understand the importance of Chemical engineering and the role of Chemical Engineer in Polymer resin production plant.
- To demonstrate & explain the R & D section of the industry and importance and working of R & D instruments.

Event description:

The Department of Chemical Engineering organized a virtual industrial visit to **Macro Polymer Pvt. Ltd, Ahmadabad** on 26th October, 2020. The visit was organised for all students (Semester-3, 5, 7) of chemical engineering department. The visit comprised 176 students and faculty members of chemical engineering department. Since five decades, Macro Polymer Pvt Ltd is manufacturing Synthetic Resin for Paints, Printing Inks, Wood Coating Lacquers and Adhesive Industries. At present, it is found to be a leading manufacturer of resins in India and exporting to Middle East, Africa, Asian and South East Asian Countries.

In context to virtual visit, Dr. N. M. Patel, Head, Chemical Engineering visited the plant along with company personal deputed by Mr. Mayank Parikh Sir, Director **Macro Polymer Pvt. Ltd**. The demonstration of whole plant was carry out through Microsoft Team App. The students have gone through the whole plant for resin production wherein, they have been showed working and operation of the 9

chemical reactors. Furthermore, students witnessed R& D section wherein, they saw various sophisticated instruments such as FTIR, NMR, and Gas Chromatography etc. He has explained each and every aspect associated with the working of aforementioned instruments. In addition to that regular discussion on each and every point was made by Dr. N. M. Patel for better understanding of the process to the students. Finally, questions and answer session was put up at the end of visit. Students have asked various questions about the industry and its working to head, R&D department. He replied each answer very pleasantly. Eventually, the visit proved to be fruitful for the students and satisfied its objective of demonstrating various roles of Chemical engineering and Chemical engineer in the resin plant.

Glimpses of virtual industrial visit

