

# **L. J. Institute of Engineering & Technology**

LJ Campus, Near Sanand Sarkhej Circle, S.G.Highway  
Ahmedabad

## **Technical Visit of MAYUR DYE-CHEM INTERMEDIATE LLP (UNIT-I)**

**Department of Chemical  
Engineering**

### **Date**

(02-01-2025)

### **Place:**

**Place:** A-1, 108, Phase-II, G.I.D.C, Vatva,  
Ahmedabad - 382445, Gujarat

### **Duration:**

(11:15 AM to 2:30 PM)

### **BE Semester: III**

### **No. of Students Present**

(Division – A)

**07**

### **Name of Faculty Members**

1. Mr. Mohammedadil Shaikh

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## **About Plant visit**

- Visit was done to understand the concepts and practical aspects of various real time process related to Manufacturing Process of Dye-intermediate, Reaction, Material Handling, Storage, Safety, Flow Diagrams and Optimizing Process.
- Mayur Dye-Chem Intermediate is situated at A-1, 108, Phase-II, G.I.D.C, Vatva, Ahmedabad - 382445 and it is involved in manufacturing of Dyes and Dyes Intermediates.
- The company is involved in manufacturing of Vinyl Sulphone Intermediate through a series of processes. The processes are Chlorosulphonation, Thionyl Chloride Addition, Dumping, Reduction, Condensation, Filtration, Drying, Esterification, Incineration, etc.
- At Mayur Dye-Chem Intermediate LLP plant, students were first introduced to Mr. Hiren Patel who was engaged with students for interactions throughout plant visit.
- The visit was started with a brief introduction of the plant and explanation about plant operation and about different raw materials.
- Students had inside view of industry including various equipments like scrubbers, filters, reactor, spray dryers, separators, filter press, pumps, valves, safety valves, storage tanks, chiller plants, cooling tower, piping layouts, etc. They also came across the process for effluent treatment for waste water, recycling of water.
- Students have also seen many of the practical aspects of the subjects like Fluid Mechanics, Unit Processes & Chemical Technology, Mass Transfer Operation, Heat Transfer, Chemical Reaction Engineering, Mechanical Operation etc. which is helpful in current as well as next upcoming semesters.
- Students have also seen Research and Development department, in which testing analysis is being carried out for different dye products.
- By experiencing this industrial visit, students got knowledge of how to use theoretical knowledge in real world and how to resolve the problems using various techniques, also they got ideas through which they can do certain innovative projects in upcoming semesters as part of their academic curriculum.
- At last, they had Question - Answer session with experts through which they cleared all their queries satisfactorily and gained much knowledge regarding manufacturing process of industry.



**H.O.D.:**

Mr. Hiren Makwana

**Prepared By:**

Mr. Mohammedadil Shaikh