



L. J. Institute of Engineering & Technology

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

Ahmedabad

Industrial Visit Report

Department of Chemical Engineering

Date of Visit

(23/09/2017)

Place

Plot no. 184, Phase-2, Vatva GIDC, Ahmedabad-382445

Duration of Visit

(2 hrs)

BE Semester: III

(Branch: Chemical)

No. of Students Participant in Visit

24

Name of Faculty member

Prof. Khushboo Shah (7567430099)



Group Photograph of Industrial Visit

Information about Place/Company Profile:

- Meghmani organics is established in 1986.
- Meghmani organics is also the leading pigments and agrochemicals manufactures in India.
- They providing pigments which are used in making ink.
- They have business with India and also Export.
- Specializes in manufacture of green and blue pigment products.
- Pigments are used in multiple applications in printing inks, plastics, paints, textiles, paper, leather and rubber.

Observations during the visit:

- Meghmani organics produces green pigment which is used in making ink.
- They are using online pH meter for pH measurement to reduce the time in analysis.
- For filtration centrifuge filter and filter press used.
- Waste water is go to effluent treatment plant and purified water used in further process.
- They are using tray type dryer to remove moisture from dyes and then milled in ball mill.
- Final pigment is in powdered form and then it is goes for packing process and then for selling.



Subject/s or topic related to visit:

Chemical Process Industries for pigment manufacturing.

Outcomes/Understanding from the visit:

- Students get practical knowledge about the whole process of pigment manufacturing.
- They also learn which type of reactor and purification equipments used for manufacturing of green pigment.
- Students also get knowledge about the effluent treatment plant.
- They also describe whole process of reaction and how much amount of raw material used, pH adjustment, temperature control, filtration of dyes, drying and milling.
- Students also learn about wastewater treatment from pigment industries.

Feedback of Students:

1. Khernar Vishal (160320105017): This industrial visit is beneficial for the subject Chemical process industries to understand.
2. Valand Vivek (160320105061): In this visit I learn about the how Unit process and Unit operation done in actual pigment industries.
3. Panchal Nikhil (160320105025): In this industry I learn about pigment manufacturing process, how to work in industries and where to utilize chemical engineering aspects.
4. Desai Kaushal (160320105008): From this visit I can better understand the subject Chemical Process Industries.
5. Rajput Parth (160320105048): I have seen the process for manufacturing green pigment. And where it is applied.
6. Shah Miloni (160320105053): I really get the qualitative knowledge about the chemical process equipments.

Name of H.O.D.:

Prof. Zalak Bhavsar

Civil/Chemical Engineering

LJIET, Ahmedabad

Prepared By:

Prof. Khushboo Shah

Chemical Engineering,

LJIET, Ahmedabad

Department Of Chemical Engineering

Sr. no.	Date of visit	Semester	Name of Company/Industry	Address	No. of students participated	No of faculty participated	Remarks
1	23/09/2017	III	Meghmani Organics	Plot. No.184, phase-2, Vatva, GIDC, Ahmedabad-382445.	24	01	The main purpose for the visit is to understand the fundamentals of the subject Chemical Process Industries-I and to learn pigment manufacturing process.