



**VISHWAKARMA GOVERNMENT ENGINEERING COLLEGE,
CHANDKHEDA
CHEMICAL ENGINEERING DEPARTMENT**

Brief Report on Industrial Visit to B A Engineering, Vatva

Name of Department/Organizer	:	Chemical Engineering Department
Date & Time	:	30/08/19
Venue	:	<u>B A Engineering, Vatva</u> Vinoba Bhave Nagar Rd, Dibiyapur, Phase 2, Vatva, Ahmedabad, Gujarat 382445
No of Participants	:	24 Students and 2 faculties

Aim of the Event

Industrial visit is considered as one of the tactical methods of teaching. The main reason behind this industrial visit was to let students know things practically through interaction, working methods and employment practices. Moreover, it gives exposure from academic point of view. Main aim of industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices.

Overview of the trip

The Chemical Engineering department of Vishwakarma Government Engineering College had organised an Industrial visit on 30th August, 2019 for the 4th year students to B A Engineering located in Industrial Sector of Vatva near Ahmedabad for the students.

The visit was organised with reference of **Prof. Z Z Painter** who has good terms with the company's owner and prior permission and guidance of Hon. HOD **Dr. Femina J Patel**.

Prof. Z.Z. Painter and **Prof. Dolly R Gandhi** were the co-ordinators for the whole industrial visit.

Details of our journey

We started travelling from college campus at 9:30 am via our college bus on 30th August, 2019 along with our co-ordinator faculties.

We reached to the B A Engineering premises at Vatva within an hour.

At the very beginning we were given the safety instructions to be followed while during the visit by **Prof. Z Z Painter**.

About the industry

B A Engineering was established in the year 1990 and engaged with Manufacturing Of Chemical Machinery in Ahmedabad, Gujarat & Textile Machinery under the leadership of our Owner Mr. B A Patil Who has an outstanding experience of 40 years in the field of Chemical & Textile Dyeing Plant and Manufacturing. Under his able guidance B A Engineering, has been able to satisfy the requirements of various leading industries and clients in all over India.

They are dedicated to providing excellence in services and solutions of fabrication and other jobs as above, backed by long-term support & maintenance. Over these years of inception, they have established themselves as an expert in fabrication for the chemical and Textile plants, and all type machinery and individual equipments, spares and accessories.

Experience from visit

This visit to manufacturing firms is useful for students to understand the realities of the shop floor, which in itself is a rare exposure. By visiting the shop floor they get to understand the risky conditions in which workers work, the people management, challenges involved in managing workers apart from getting hands-on technical knowledge.

Through industrial visit we got awareness about new technologies. Visiting different Manufacturing outlets helped us to build a good relationship with the industry.

We know building relationship with companies will always help to gain a good job in future.

After visiting an industry we gained a combined knowledge about both theoretical and practical.

In this visit we have got much information through the live manufacturing of reactors and pressure vessels. We were able to relate what we studied in Process Equipment Design which is taught to us by an extremely renowned and experienced faculty Prof. S B Thakore.

Basically this visit was all about to learn how the manufacturing of reactors and vessels is fabricated step by step and what sort of mechanical operations are used in the manufacturing process.

The company person also appreciated us and visit seemed to be very informative and gave us good learning experience.

Some glimpses of the industrial visit

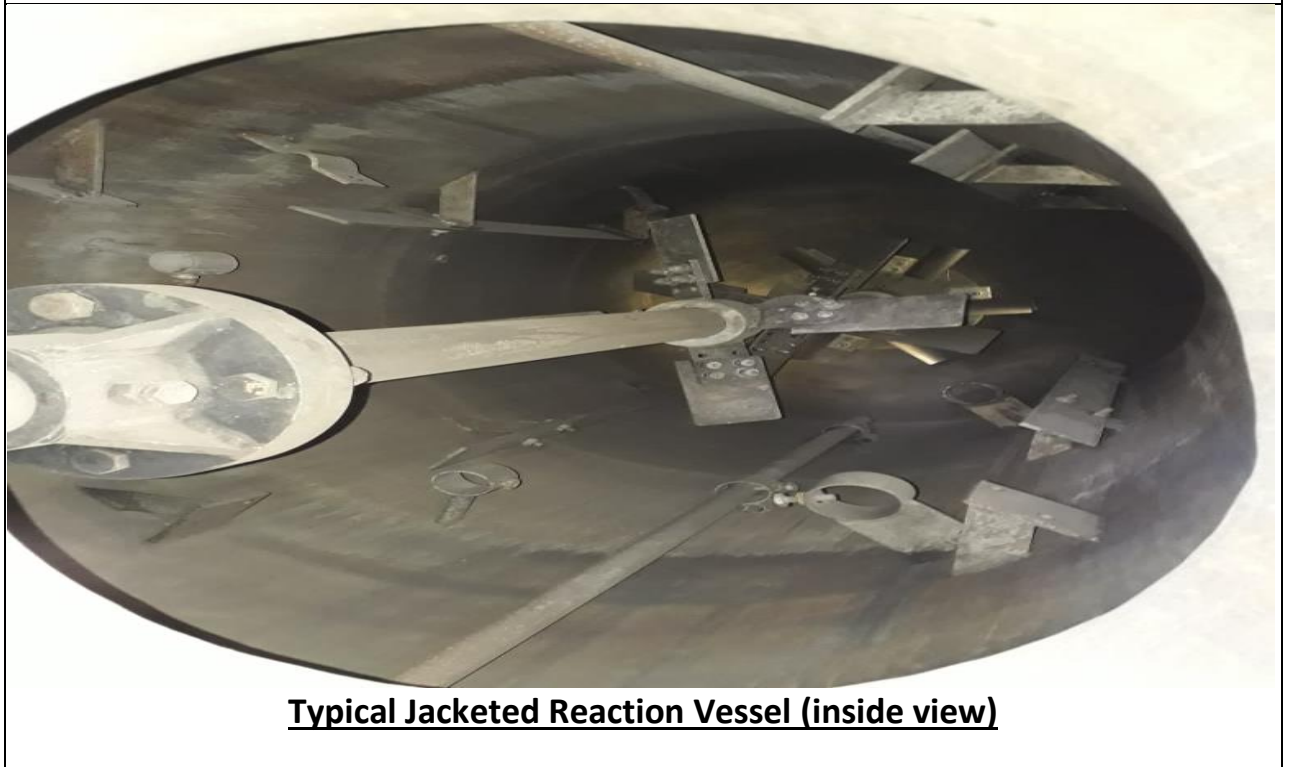


Various different types of Heads





Typical Jacketed Reaction Vessel



Typical Jacketed Reaction Vessel (inside view)



Mr. B A Patil explaining the use of Hoist to lift the S.S.Plate



Mr. B A Patil explaining how a plate is given a circular shape to form head