



CHEMICAL ENGINEERING DEPARTMENT

A Report on Industrial Visit at

Apex Pharma Chem, Ankleshwar GIDC

Objective of Industrial Visit:

The main objective of the organised industrial visit is to let students understand various significant concepts practically through interaction and analyzing the actual working methods. Moreover, it gives exposure from academic point of view. Major aim of the industrial visit is to provide an exposure to students about theory and practical work interaction as well as actual difference between theoretical diagram of object and actual working model process rather than ideal one.

Details of Industry:

1. Name of Industry:- Apex Pharma Chem
2. Address: - Plot No:- 7904/F Nr. BEIL, GIDC, Ankleshwar - 393002, Gujarat, India
3. Date of Visit: - 27/04/2023
4. Year / Semester: - 2nd Year/ 4th Sem
5. No. of Students: - 47
6. No. of Faculties: - 2

Class Coordinator:- Prof. Prince J. Patel & Prof. Chirag G. Parmar

Descriptions:-

The visit started on 27 April 2023, in the early morning. The students and faculty received a warm welcome on the premier's by the management of Apex Pharma Chem. The student was provided with brief information on the industry's origin. The tour started at 10:30 am. All the students were separated into 2 groups.

The industry had 2 manufacturing units: solvent recovery unit and explosive solvent recovery unit. The students were taken to all the units and given detailed information about the process carried out at each stage (from raw solvent to the recovery solvent product). The visit field the student with excitement the student's doubts were answered by the Apex Pharma Chem staff members promptly.



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The project layout was done efficiently in such a manner that the process flow was easy to understand. The floor and machinery arrangement was laid to carry out the manufacturing process easily. We saw 6 reactors having material construction as stainless steel (SS316) such as 14KL, 7KL, and 12KL etc. One of these reactors ones is glass lined reactor in this we saw the glass lining coating inside the stainless steel reactor to handle the strong acid. They all were shut down condition so that we could properly see the inner structure and different components of it. The reactor is operate by the worker and it is in a semi-batch process.

They strictly follow the norms of environmental policy and safety standards. We saw different types of safety equipment like eye washers, and fire extinguishers. Another unit we saw is a distillation column of 14kl having a temperature measurements board. It shows the bottom, middle, and top temperatures of the column. After knowing the application of the reactors & columns we asked them a few questions like why the flooring is made from iron?, why they used kilo units except SI units?, and what type the solvents are recovered in the reactor? And many more... They answered our questions one by one and also gave us extra information. At 2 pm we took our lunch which was served by them. After that, we went for our next industrial visit.

College Faculties & Staff Presence in the Visit:-

1. Prof. Prince J. Patel
2. Prof. Chirag G. Parmar
3. Miss. Payal Ansari

Students Presence in the Visit:- Annexure-I

Photographs:- Annexure-II



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Annexure-I

S. N. Patel Institute of Technology & Research Centre, Bardoli
 Chemical Engineering Department (Sem: 4)
 Industrial Visit at Apex Pharma Chem (Ankleshwar)
 Attendance Sheet (Date: 27/04/2023)

Sr. NO.	PEN	Name	Signature
1	210490105002	Mahesh	Mahesh
2	210490105003	Vasava Sumitkumar Dineshbhai	Sumit
3	210490105004	Gayakwad Yash Vijaybhai	Yash
4	210490105005	Vasava Kishan	Kishan
5	210490105006	Vasava Yatish	Yatish
6	210490105007	Arpit chaudhari	Arpit
7	210490105008	Kirtan sunva	Kirtan
8	210490105009	Patel yash	Yash
9	210490105010	Pal Yash Rajendraprasad	Yash
10	210490105012	Akshar rakholiya	Akshar
11	210490105013	patel deep pankajbhai	Deep
12	210490105014	Vasava Pritikal	Pritikal
13	210490105018	BHAVESH VASAVA	Bhavesh
14	210490105019	Chaudhari axaykumar sunilbhai	Axay
15	210490105020	Darshan rakeshbhai rathod	Darshan
16	210490105021	Vekariya jaimin Arvindbhai	Jaimin
17	210490105022	Vasava Rohan	Rohan
18	210490105023	VASAVA IMANUVEL	Imanuel
19	210490105024	Vasava Ankitkumar Anilbhai	Ankit
20	210490105026	Rohan Vasava	Rohan
21	210490105027	Patel Mehulbhai Parvinbhai	Mehul
22	210490105029	Gamit khushbu	Khushbu
23	210490105030	Tiwari Nileshkumar Rakeshkumar	Nilesh
24	210490105032	Vasava Atulkumar	Atul
25	210490105033	Prekshakumari Sandipkumar Rathod	Preksha
26	210490105034	Prajapati Disha kiritbhai	Disha
27	210490105035	Shah Mahek kalpeshbhai	Mahek
28	210490105036	Henil Maisuriya	Henil
29	210490105038	Manav jaisinghani	Manav
30	210490105039	Krish Dipakbhai Panchal	Dipak
31	210490105040	Devanshu Pravinchandra Prajapati	Devanshu
32	210490105042	Shubham kankadiya	Shubham
33	210490105047	Chaudhari Vidya Anil	Vidya
34	210490105050	Gamit Medona Mayurbhai	Medona
35	210490105052	Ankit sinh limbola	Ankit
36	210490105055	Chaudhari asmita bherubhai	Asmita
37	210490105056	Bhoi sagar	Sagar
38	210490105059	Hetvikumari Bipinbhai Chaudhari	Hetvi
39	210490105062	Kotvaliya Jigneshkumar	Jignesh
40	210490105063	Chaudhari Mit	Mit
41	220493105005	Gaurav jagtap	Gaurav
42	220493105008	MAHIDA UJVALA SANJAYSINH	U.S.mahida
43	220493105010	Panchal Rahul Kumar kamleshkumar	Rahul
44	210490105031	Sunil Sen	Sunil
45	210490105049	Arun Yadav	Arun
46	210490105015	Shah Nitesh	Nitesh
47	210490105016	Abhishekh Govtam	ABSENT
48	220493105003	Chintan Desai	Chintan



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Annexure-II





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