

GOVERNMENT ENGINEERING COLLEGE, VALSAD

DEPARTMENT OF ENVIRONMENTAL ENGINEERING



**Report on
Industrial visit at
Water Treatment Plant, Valsad**

Details of Industrial Visit

Name of industry: Water Treatment Plant, Valsad

Date of Visit: 05-April-2022 – (Visit of 4th semester students)

06-April-2022 – (Visit of 6th semester, batch-1)

07-April-2022 – (Visit of 6th semester, batch-2)

Number of Participants: 4th semester : 24 students & Prof. Meera K. Kunvarani

6th semester – Batch 1 : 30 students & Prof. Monali N. Chaudhary

Batch 2 : 34 students & Prof. Monali H. Patel

Objectives of industrial visit:

To observe and understand practical application of various units of the Water treatment plant.

EVENT DESCRIPTION :

- The Department of Environmental Engineering organized an industrial visit to Water Treatment Plant, Valsad on 5th, 6th and 7th April, 2022. The visit was organized for sixth and fourth semester students of the department. The total number of students were 24 and 64 for 4th and 6th semester respectively. The students were accompanied by one faculty member as listed above.
- There were total 3 treatment plants with capacity of 11MLD in two plants and 6MLD in one plant. The students and faculty member were welcomed by Mr. Ashokbhai Patel, Plant supervisor, and were briefed about the safety measures to be followed during the industrial visit. At first, the students visited the river intake situated on the Aurange River, which is the nearest water source for the plant. Further, they were directed towards the treatment plant where the plant supervisor gave a detailed explanation to the students about the design of treatment plant, units and their processes, the entire process from raw water withdrawal to final distribution of treated water post chlorination. Students visited the treatment plant and observed the processes being carried out in different stages. The visit proved to be fruitful for the students of 6th semester as they could practically observe the working and arrangement of various units like Clariflocculator, Tube-settlers and Sand filters. Also, the 4th semester students could practically watch the various unit operations and unit processes and understanding the working of Water treatment plant.

Glimpses of Industrial visit



Image 1: 4th semester students with Prof. Meera K. Kunvarani



Image 2: 6th semester students (Batch 1) with Prof. Monali N. Chaudhari



Image 3: 6th semester students (Batch 2) with Prof. Monali H. Patel



Image 4: Raw Water collection system from Intake



Image 5: Raw Water collection system from Intake



Image 6: Clariflocculator (in working)



Image 7: Slow sand filter



Image 8: Clariflocculator (under construction)