

## Department of Mechanical Engineering

Has Organised Visit to

**Sewerage Water Treatment Plant**

For Second Year Diploma Students under Course: **Environmental Studies (22447)**



### Objective of Visit

The purpose of the visit is to acquaint the students with the process of organization sewerage water treatment. They will observe the work achieved so far on the ground with a step-by-step guide describing what happens at each stage of the treatment process and how pollutants are removed to help keep our environment clean.

**Friday, 07<sup>th</sup> February 2025**  
(10.00 am Onwards)

To develop student awareness about environment.

To study the pollution reducing techniques.

To understand live environmental issues.

To inculcate lifelong environmental ethics.

***Environment*** is a gift to us, Save and Secure it.

**Coordinators:** Mr. S A Khan, Mr. S A Mandore

**Staff Accompanied:** Mr. K G Deshpande, Mr. U S Kolhe, Mr. U R Bhapkar, Mr. S B Kuldhar

# **Glimpses of Industrial Visits at Sewerage Water Treatment Plant (SWTP), Agar Takli, Nashik during 07 February 2025, Organised by Department of Mechanical Engineering, MET's Institute of Technology-Polytechnic, Nashik for Second Year Diploma Students of Mechanical Engineering.**

## **Introduction:**

The Department of Mechanical Engineering organized an industry visit to Sewerage Water Treatment Plant, Agar Takli, Nashik on 7th February 2025 for second-year diploma students of Mechanical Engineering. The objective of this visit was to provide students with hands-on experience and exposure to real-world industrial applications.

## **Objectives**

1. To develop student awareness about environment.
2. To study the pollution reducing techniques.
3. To understand the application of mechanical engineering principles in real-world scenarios.

## **About SWTP Plant:**

The Sewerage Water Treatment Plant is a state-of-the-art facility that treats wastewater from the city of Nashik. Students learned about the various stages of wastewater treatment, including primary treatment, secondary treatment, and tertiary treatment. They also saw the mechanical equipment used in the treatment process, such as pumps, valves, and filters.



## **Key Takeaways of Visit:**

### **1. Wastewater treatment:**

Students gained knowledge about the various stages of wastewater treatment and the mechanical equipment used in the process.

### **2. Application of mechanical engineering principles:**

Students saw the application of mechanical engineering principles in real-world scenarios, including the design and operation of mechanical equipment.

### **Conclusion:**

The visit to Sewerage Water Treatment Plant, Agar Takli, Nashik was a valuable learning experience for the second-year diploma students of Mechanical Engineering. The visit provided students with hands-on experience and exposure to real-world industrial applications, helping them to develop skills in observation, analysis, and problem-solving. The visit also helped students to understand the application of mechanical engineering principles in real-world scenarios and to appreciate the importance of quality control measures in ensuring the quality of products.

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