

Guru Gobind Singh College of Engineering & Research Centre, Nashik

Academic Year [2023-24]

TE Civil Engineering Student Site Visit at STP Agrtakdi (110 MLD), Nashik



Date: 29th February, 2024

Venue: STP, Pushpak Nagar, Lokhande Mala, Nashik Road, Nashik, Maharashtra 422006

Event Schedule:

Date	Time	Description
29 Feb 2024	12:00 PM - 04:20 PM	

Dear All,

Objectives:

- 1. To gain insights into the sewage treatment processes employed at the Agrtakdi Sewage Treatment Plant (110 MLD) to comprehend its functioning and significance in wastewater management.
- 2. To assess the infrastructure, equipment, and operational procedures at the Agrtakdi Sewage Treatment Plant to understand its efficiency, capacity, and compliance with environmental regulations.

Outcomes: Student are able to

- 1. Acquire a deeper understanding of sewage treatment methodologies and their role in maintaining environmental health, contributing to informed decision-making and advocacy for sustainable wastewater management practices.
- 2. Identification of potential areas for optimization and enhancement in infrastructure, operational processes, and environmental sustainability practices at the Agrtakdi Sewage Treatment Plant, leading to improved performance and resource utilization.

PO Statement: PO1, PO3, PO6, PO7, PO12, PSO1 &PSO3.

Speaker Details:- Shri. Sanjay Shinde (Plant Incharge Agrtakdi STP +91 9850283278) and Shri Thakur, Executive Engineer of NMC Nashik

Target Audience: - TE Civil Engg Students

Total Number of Students Present: 30

Feedback: In ERP

Summary

Under the expert guidance of Plant Incharge Shri. Sanjay Shinde and Shri Thakur, Executive Engineer of NMC Nashik, along with the supervision of our esteemed subject teacher Mr. Kamlesh Bhagat, Assistant Professor, and Mrs. Ugale Jayshree, Technical Assistant, students of our institution had the privilege of conducting an educational visit to the Sewage Treatment Plant (STP) at Agrtakdi, Nashik.

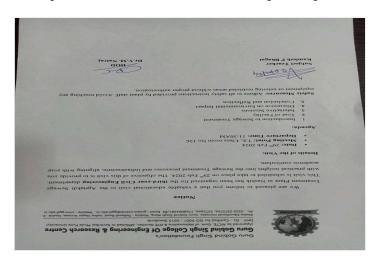
During the visit, students were provided with a comprehensive tour of the facility, which boasts a remarkable capacity of 70 MLD (Million Liters per Day) utilizing the Activated Sludge Process and an additional 40 MLD capacity employing the Moving Bed Bioreactor technology. Under the guidance of experienced professionals, students gained invaluable insights into the intricate processes involved in wastewater treatment, from preliminary treatment to final discharge.

Throughout the visit, emphasis was placed not only on theoretical understanding but also on practical applications, fostering a culture of lifelong learning among the students. Interactive sessions and discussions facilitated a deeper understanding of the environmental significance and engineering complexities associated with sewage treatment.

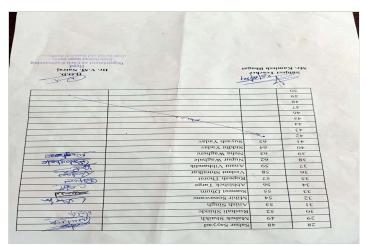
This site visit served as an enriching experience, offering students the opportunity to bridge the gap between classroom learning and real-world practices. By witnessing firsthand the operations of a modern sewage treatment plant and engaging with industry experts, students were empowered with knowledge that extends beyond textbooks, enabling them to contribute meaningfully to the field of civil engineering and environmental sustainability.

The visit concluded with a sense of accomplishment and a commitment to apply the acquired knowledge in their academic pursuits and future endeavors. We extend our sincere gratitude to Shri. Sanjay Shinde, Shri Thakur, Mr. Kamlesh Bhagat, and Mrs. Ugale Jayshree for their invaluable guidance and support throughout the visit, ensuring its success.

This educational excursion not only broadened the horizons of our students but also reinforced the importance of continuous learning and innovation in the field of civil engineering.







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