



Parshvanath Charitable Trust's
A. P. SHAH INSTITUTE OF TECHNOLOGY
(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
(Religious Jain Minority)

DEPARTMENT OF CIVIL ENGINEERING

EXPERT LECTURE REPORT ON

CONCEPT OF CETP FOR INDUSTRIAL WASTE WATER

VENUE: - A.P. Shah Institute of Technology (Online mode)

EXPERT LECTURE DATE: - 23-04-2022

AUDIENCE: - Final year Civil Engineering students and Faculty

**EXPERT SPEAKER: - Mr. Gitesh Sabane,
Director,
M/s. SMS Waluj CETP Pvt. Ltd. Waluj MIDC Aurangabad.**

ORGANISED BY: - Civil Engineering Department

FACULTY CO-ORDINATOR: - Prof. Mrunal Joshi

TOTAL STUDENTS ATTENDED: - 20

Any use of water, converts that water into wastewater. Proper treatment and disposal of generated waste water is important and necessary from sanitation and public health point of view. If the waste water is industrial waste water then more careful treatment is required as industrial waste water contains variety of chemicals, toxic substances, metal, more concentration of BOD, COD, TSS.

Expert lecture highlighted on treatment of industrial waste water in Common Effluent Treatment Plant (CETP). Sir had shared his field experiences to the students.

Sir had explained the basic concept of CETP along with definition, what are the various conditions of designing of CETP. He discussed about various business models for CETP such as full public ownership, full private ownership, public private ownership, built own and transfer and many more.

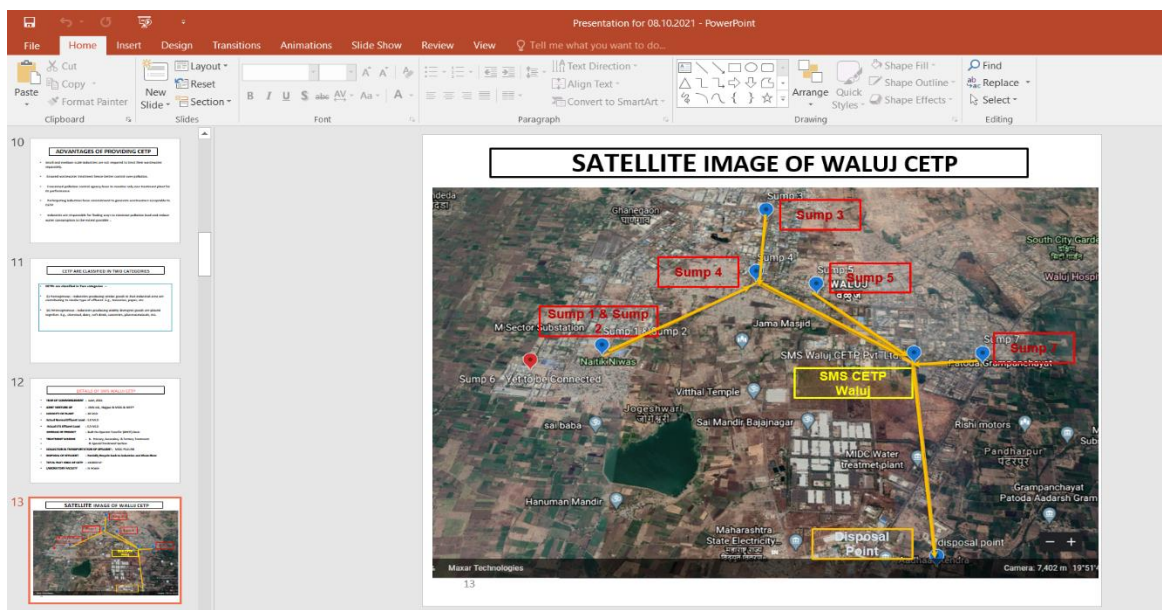
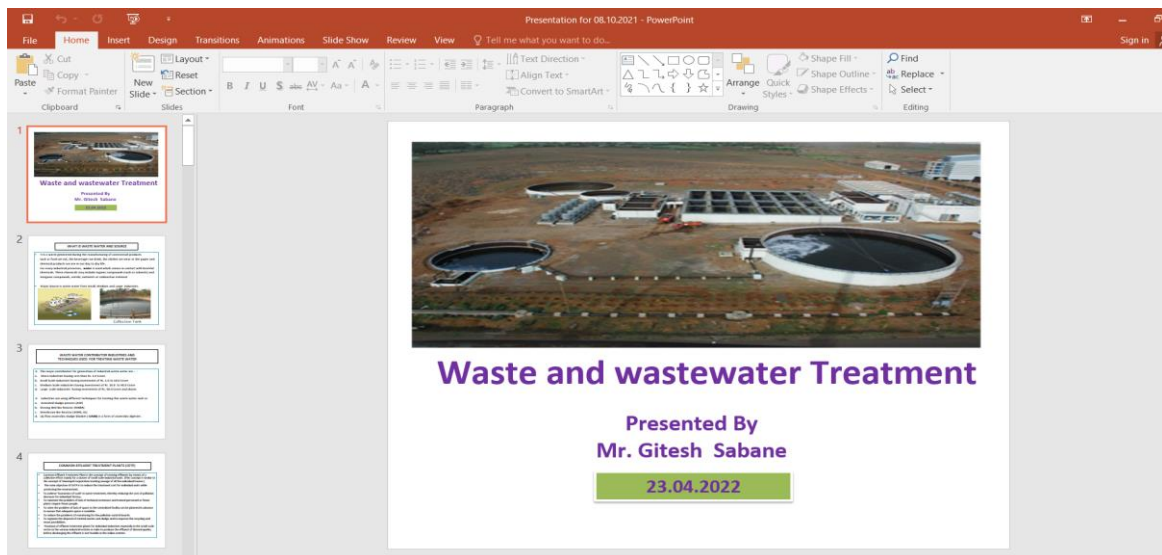
He has discussed about various advantages and of CETP and need of CETP in industrial sector.

Gitesh sir has huge experience of handling CETP. At present he is a director of SMS Waluj CETP. He explained the process of CETP at Waluj area. He described the process flowchart of CETP and then explained each and every unit in detail with his field experiences. Sir has focussed the how heavy

metals are removed from SMS Waluj CETP and this technology is honoured by authorities. He gave the overview of this special treatment plant and problem faced during the operating. He also emphasised on the advanced motoring system installed at Waluj CETP. It was great to hear from sir that this CETP has received Vasundhara Environment Award in CETP category for the year 2015 by Government of Maharashtra.

The topic was covered in a systematic manner and during the lecture, expert shared some of his field experiences with students which was very interesting. The lecture ended with question and answer session and vote of thanks.

A few Glimpses of the lecture



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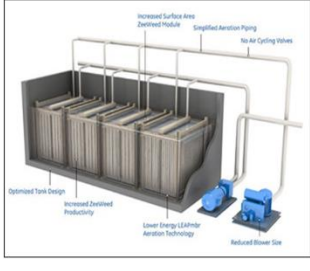
25 TERTIARY TREATMENT - TYPES OF DIFFUSED SYSTEM

26 TERTIARY TREATMENT - ACTIVATION TANK

27 TERTIARY TREATMENT - CLARIFIER

28 TERTIARY TREATMENT

TERTIARY TREATMENT :-

SAND AND ACTIVATED CARBON FILTERS AND MBR TECHNIQUE

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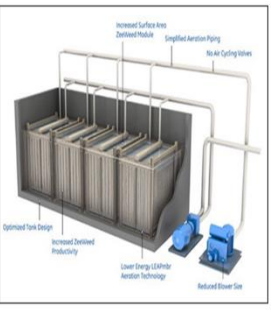
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Mapping with Program Outcomes:

POs satisfied are PO1, PO2, PO3, PO4, PO6, PO7, PO8, PO9, PO10, and PO12