

MASTER OF ENVIRONMENTAL ENGINEERING

SARVAJANIK EDUCATION SOCIETY

SARVAJANIK COLLEGE OF ENGINEERING & TECHNOLOGY

DR. R. K. DESAI MARG, ATHWALINES, SURAT – 395001



.....TOWARDS PROGRESSIVE CIVILIZATION

A Report of **EXPERT LECTURE ON** SEWAGE TREATMENT AND REUSE OF TREATED SEWAGE

By

Er. Mayank Mithaiwala

**DIRECTOR, GREEN DESIGN AND ENGINEERING SERVICES PVT. LTD.,
SURAT, INDIA**

on

25th February 2020 Time: 11:00 AM to 1:00 PM

Venue: ME Env Classroom (C-105), TIFAC

Faculty coordinator: Dr. Mehali J. Mehta



Prepared by: Dr Mehali Mehta

Civil Engineering Department and Faculty of Environmental Engineering had organized an expert talk by Er. Mayank Mithaiwala on “Sewage Treatment Environmental and Reuse of Treated Sewage” on 25th February 2020 at TIFAC. The expert talk was arranged for Master of Engineering I and II-year students (27 Nos.) under the subject of Treatment Process Design and Drawing and for civil Engineering student for the subject Water and Wastewater Engineering

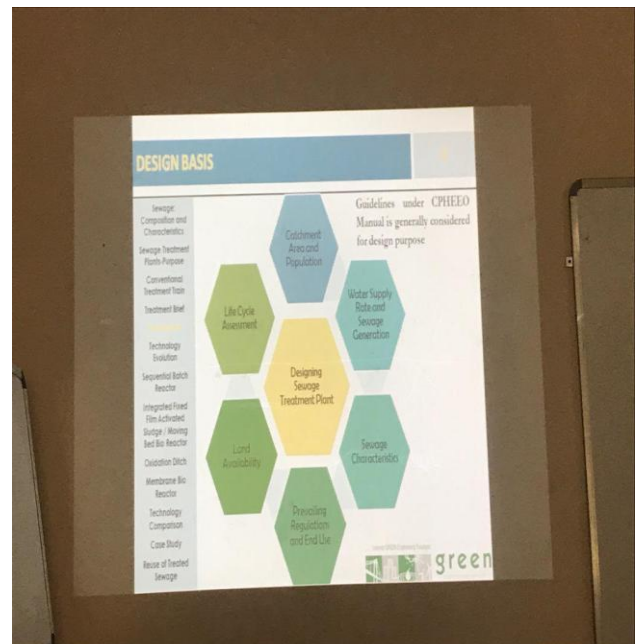
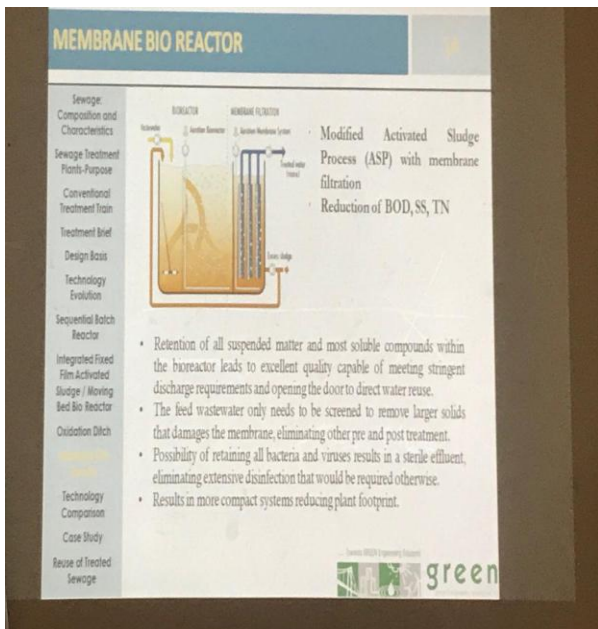
About the speaker:

Mayank P. Mithaiwala is Director, Green Design and Engineering Services Pvt. Ltd. He holds a Master’s Degree Municipal Water and Infrastructure with Specialization in Sanitary engineering with working experience of more than 25 year.

Knowledge shared in expert lecture:

The lecture started with the introduction to basic terminologies of sewage and the importance of treatment and reuse of sewage water. The lecture focused on the conventional and advance wastewater treatment technologies, starting from the land availability and design selection to design fundamental. Various design parameters were discussed. In depth discussion was carried out on the selection of treatment units with advantages and disadvantages. Sequential Batch Reactor (SBR), Membrane Bio Reactor (MBR), Moving Bed Bio Reactor (MBBR), Integrated Fixed Film Activated Sludge (IFAS), Oxidation Ditch (OD) were explained. Importance of the subject, job opportunities and training were also discussed. The students interacted well and found the expert talk to be very informative.

Glimpses of Lecture:



**Acknowledgment:**

I acknowledge Er. Mayank Mithaiwala for accepting the invitation and conducting the expert talk. I also acknowledge Dr. Prof. Pratima Patel, Head of Department, Dr. Hiren Patel, I/C Principal SCET for encouraging and permitting the expert talk and SES for providing the infrastructure.