

**Online
6 Day Short Term Training
Program**

On

**Essential Chemistry for
Waste water Treatment and
Basic Statistics for Sample
Analysis for Environmental
Engineers**

June 14-19, 2021

Patron

Dr. P.M.Padole, Hon. Director, VNIT

Convener

Dr. Y.B. Katpatal
Professor and Head,
Civil Engineering Department

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Organized by

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<http://www.vnit.ac.in>

Introduction

Historically, waste-water treatment plants (WWTP) have been designed from hydraulic considerations with little importance to the underlying chemistry of the processes. Knowledge of the chemical processes used for removal of pollutants from wastewater is very essential in design, operation and troubleshooting of a WWTP. Along with the process chemistry, basic knowledge of statistical techniques is also essential for the analysis of data and QA/QC of laboratory samples.

Course Objectives

The main objectives of this online training program are to:

- Understand the importance of chemical processes in waste water treatment and their application in WWTPs design and operation.
- Understand the basic statistics tools for laboratory sample analysis and QA/QC.

Course Contents

The broad outline of the course is as follows:

Waste water Treatment: Application of Thermodynamics and Kinetics, Chemistry of Complex formation, Redox Reactions in waste water treatment. Hands on solving of problem using Ms_Excel and VMINITEQ-software

Basic Statistics: t and z-test, detection of outliers, inter laboratory comparison, method detection limit.

Target Audience

Students, faculty members and scientists from academic and research institutions.

Registration Fee

The registration fee (including GST) is as follows
Students: Rs.600/- Faculty/ Scientists: 1200/-

The sessions will be conducted live online via Webex or any other suitable ONLINE platform.

Certificates will be posted to your registered address on successful completion of the program. The number of participants for the program **is limited to 150** on first come first serve basis.

Interested participants kindly submit your details here: <https://forms.gle/4GuTyn7KYcLzfmJx9>

Payment and registration details will be sent on the mail id after participant submits his/her details in the above form

Important Note: To avoid any disturbance during the training program, it is highly recommended to have stable electricity or power backup and strong internet connection.

Last date to complete payment and registration is 11th June 2021.

Contact:

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