

Vishnu Waman Thakur Charitable Trust's
Bhaskar Waman Thakur College of Science,
Yashvant Keshav Patil College of Commerce,
Vidhya Dayanand Patil College of Arts,
(VIVA College)



**Lab Techniques
in Water Quality
Analysis
(CC-LTWQA)**



Department of Chemistry

Vishnu Waman Thakur Charitable Trust's
Bhaskar Waman Thakur College Of Science,
Yashvant Keshav Patil College Of Commerce,
Vidhya Dayanand Patil College Of Arts
(VIVA College), Virar (W).



With great pleasure, we would like to inform & invite you all that, Department of Chemistry, in association with IQAC, VIVA College is organizing an value added course on “**Lab Techniques in Water Quality Analysis**” in the month of September 2022

Interested students should contact to **Ms. Seema Jadhav** and register themselves for the course

E-certificates will be provided to participants



Ms. Seema Jadhav
Course Co-ordinator

Mr. Ajit Ingle
Head of the
Department

Dr. Deepa Verma
Vice-Principal &
IQAC Co-ordinator

Dr. Prajakta Paranjape
Vice-Principal

Dr. V. S. Adigal
Principal



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(VIVA College)
(Affiliated to University of Mumbai)**

**Department of Chemistry
Lab techniques in water Quality Analysis certificate course
Year: 2022**

September :2022

The Department of chemistry in association with VIVA College proposes a short-term Lab techniques course Based on water Quality Analysis which begins from 3rd September 2022

Course description: This comprehensive course is designed to provide participants with a thorough understanding of water sample analysis techniques. Covering both theoretical principles and practical applications, the course equips participants with the skills necessary for accurate water quality assessment. From proper sample collection to instrument operation and result interpretation, participants will gain hands-on experience to excel in environmental science and related fields

Batch 01 – 3th Sept - 8th Sept 2022
Batch 02 - 12th Sept – 16th Sept 2022
Batch 03 – 19th Sept – 23rd Sept 2022
Batch 04 – 26thSept – 30th Sept 2022

Who can attend	Students interested in Lab techniques in water Quality Analysis
Batch size	30 Students maximum
Course duration	Total 30 Hrs.
Course fees	Not applicable
Venue	Chemistry Lab, Old VIVA College
Course Timing	9:00 am onwards (Theory) 9:00 am onwards (Practical, or when called for)
Resource Person	Dr.Arati Dubey ,Dr.Promila Nagpal
Contact Person	Mrs. Seema Jadhav (7798083718)

Course Content and Syllabus:

Day 1	Introduction to Water Analysis, Importance of Water Quality Assessment, Regulatory Framework, Basic Parameters in Water Analysis. (6 hrs.)
Day 2	Water Sampling Techniques: Proper Collection Methods, Preservation of Water Samples Field Practices. (6 hrs.)
Day 3	Basic Water Chemistry: pH, Conductivity, and Dissolved Oxygen Chemical Indicators, Water Quality Standards Instrumentation in Water Analysis Spectrophotometry, Chromatography, Electrochemical, Methods, Calibration Techniques (6hrs)
Day 4	Practical Sessions: Hands-on Experience with Analytical Instruments, Calibration, Exercises, Analysis of Water Samples (10Hrs)
Day 5	Measures, Assessment and Certification:(2hrs)

Evaluation: Students will have to evaluate elements in the water quality analysis report, ensure comprehensive understanding of the reliability, validity, and relevance of the reported results.

- **A certificate** will be given to the participants after successful completion of the course.
- **Feedback session** will be conducted during the certificate distribution program