

Government of Maharashtra's
Ismail Yusuf College of Arts, Science and Commerce,
Jogeshwari (E), Mumbai-60
Notice

Hands-On Training Session on pH Metry, Conductometry, and Potentiometry

The Department of Chemistry is pleased to announce a hands-on training session on pH metry, Conductometry, and Potentiometry, which was held on 20th March 2023.

Event Highlights:

- **Date:** 20th March 2023
- **Trainer:** Mr. Arif from Thermo Scientific
- **Participants:** T.Y.B.Sc. Chemistry and M.Sc. students

Training Overview: Mr. Arif provided comprehensive demonstrations and explanations, covering:

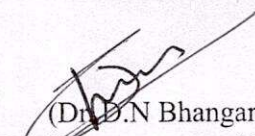
- **pH Meter:** Handling of electrodes, standardization procedures, and accurate pH measurement techniques.
- **Conductometer:** Conductance measurement, calibration, and application in various chemical analyses.
- **Potentiometer:** Principles of potentiometry, electrode care, and precise measurement techniques.

Students gained valuable practical experience and insights into the careful handling and standardization of these important instruments.

We extend our gratitude to Mr. Arif for sharing his expertise and to all students who actively participated and benefited from this training session.

For any inquiries or further information, please contact the Department of Chemistry.

Thank you.


(Dr. D.N. Bhangare)
Head, Department of Chemistry

**Head of Department
CHEMISTRY**

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INTRODUCTION:

On 20th March 2023 Department of Chemistry arranged hands-on training on pH metry, Conductometer and Potentiometry. In which Expert Mr. Arif from thermo scientific gave the demonstration of pH meter, Conductometer and Potentiometer. He explains the careful handling of electrode, standardization of instruments etc. In this training T.Y.B.Sc. Chemistry and M.Sc. students participated and benefited.

Training Highlights:

1. Demonstrations by Expert:

- Mr. Arif provided comprehensive demonstrations on the use of pH meters, Conductometers, and Potentiometers.
- He emphasized the careful handling of electrodes and the standardization of instruments to ensure accurate and reliable measurements.

2. Practical Sessions:


- Students engaged in hands-on practice with the instruments, gaining valuable experience in operating the equipment.
- They performed calibration and standardization procedures under the guidance of Mr. Arif.

Key Learnings:

- Proper handling and maintenance of electrodes to prevent contamination and ensure longevity.
- Standardization techniques for pH meters, Conductometers, and Potentiometers to achieve precise readings.
- Troubleshooting common issues encountered during the use of these instruments.

Benefits to Students:

- T.Y.B.Sc. and M.Sc. Chemistry students enhanced their practical skills and theoretical knowledge.
- The training bridged the gap between theoretical concepts and practical application, improving students' confidence in using laboratory equipment.
- Students are better prepared for their academic and research activities involving these instruments.


Department of Chemistry

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CHEMISTRY**

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ATTENDANCE

Date: 20th March 2023.

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(D.D.N Bhargare)
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