SANDIP UNIVERSITY
UGC Recognised

NAAC GRADE A

School of Science
Department of Chemistry

Organizes

Two Days National Level Hands-on Training Workshop on

Advanced Instrumentation

BEGIN WITH CURIOSITY, CONCLUDE WITH INSTRUMENTAL EXPERTISE

- HPLC
- GC
- PCR
- Rt PCR
- UV Spectrophotometer
- Microtome
- Microscopy
- Micropipetting
- Potentiometer
- Gel Electrophoresis
- Conductivity meter
- Muffle furnace
- Ultra Centrifuge
- Gel Doc
- Ultra Sonicator

13th & 14th February 2026

Department of Chemistry, School of Science, Sandip University Nashik

9 : 00 AM onwards

Contact us on:
9403029007 / 7719878777

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Sandip University, Nashik (MS), India

At Post Mahiravani, Trimbak Road, Nashik- 422213 Maharashtra

https://www.sandipuniversity.edu.in

SCHOOL OF SCIENCE

DEPARTMENT OF CHEMISTRY

Report

"TWO DAYS HANDS ON WORKSHOP ON ANALYTICAL INSTRUMENTATION"

Academic Year: 2025-26

Date: 13-02-2026 and 14-02-2026

Duration: 2 days

Speaker: Mr. Hanif Ashfaque Shaikh,Manager – Validation Cell & Quality Control at Megafine Pharma Pvt. Ltd., Nashik

Audience: The chemistry department students from various science colleges from all over Maharashtra.

No. of participants: 60

Event Coordinator:

1. Ms. Sakshi Thakare
2. Ms. Akansha Raut

Objective of the Workshop:

The Hands-on Analytical Instrumentation Workshop aimed to:

1. Provide Practical Exposure – Familiarize students with advanced analytical instruments used in chemical research and industry.

2. Enhance Technical Skills – Offer hands-on training to improve proficiency in modern analytical techniques.
3. Bridge the Gap Between Theory and Application – Help students understand the real-world applications of analytical instruments.
4. Introduce Recent Developments – Update participants on the latest advancements in analytical instrumentation.
5. Encourage Research and Innovation – Inspire students to explore analytical techniques for academic and industrial research.
6. Facilitate Industry Readiness – Equip students with skills beneficial for careers in chemical analysis and related fields.

Guest Speakers introduction:

The Chief Guest, Mr. Hanif Ashfaque Shaikh,Manager – Validation Cell & Quality Control at Megafine Pharma Pvt. Ltd., Nashik delivered an insightful session on analytical instrumentation, discussing applications, advancements, and industry relevance.

Workshop Overview:

The Hands-on Analytical Instrumentation Workshop was a two-day event organized by the Department of Chemistry, School of Science, Sandip University, Nashik, on 13th and 14th February 2026. The workshop was designed to provide students with practical training and exposure to advanced analytical techniques used in chemical research and industry.

1. Participation and Engagement

- The workshop saw active participation from around 60 students, including those from external colleges, highlighting the growing interest in analytical instrumentation.
- Participants ranged from undergraduate to postgraduate students, as well as research scholars, eager to gain hands-on experience with sophisticated analytical instruments.

2. Chief Guest and Expert Lecture

The workshop was graced by Mr. Hanif Ashfaque Shaikh,Manager – Validation Cell & Quality Control at Megafine Pharma Pvt. Ltd., Nashik

- He delivered an insightful seminar, covering:
    - Fundamentals of Analytical Instrumentation
    - Applications of Advanced Techniques in Industry and Research
    - Recent Developments and Emerging Trends in Analytical Methods
- His session provided participants with in-depth knowledge about analytical tools and their significance in chemical analysis.

3. Hands-on Training Sessions

- The highlight of the workshop was the practical training where students worked directly with sophisticated analytical instruments.
- Key analytical techniques covered included:
    - Spectroscopic Techniques (UV-Vis Spectroscopy, FTIR, Atomic Absorption Spectroscopy)
    - Chromatographic Techniques (Gas Chromatography, High-Performance Liquid Chromatography - HPLC)
    - Electrochemical and Thermal Analysis
- Participants were given step-by-step demonstrations and were allowed to operate the instruments, enhancing their technical proficiency.

4. Interactive Discussions and Q&A Sessions

- The workshop included interactive Q&A sessions, where students engaged with experts to clarify doubts.
- Discussions focused on real-world applications, troubleshooting techniques, and career opportunities in analytical chemistry.

5. Closing and Feedback

- The workshop concluded with certificates distributed to all participants.
- Feedback from students and faculty members indicated a high level of satisfaction, with many expressing interest in future workshops and advanced training sessions.

Outcome and Impact:

- The workshop successfully bridged the gap between theoretical knowledge and practical application.
- Students gained valuable hands-on experience, making them better prepared for research, higher studies, and industry roles.
- The event contributed to enhancing technical skills and fostering a research-oriented mindset among participants.

Overall, the Hands-on Analytical Instrumentation Workshop was a highly enriching and impactful event, equipping students with practical expertise and industry-relevant knowledge.

Conclusion:

The workshop was highly beneficial, equipping students with industry-oriented expertise in analytical techniques. Such initiatives foster scientific learning and research development, encouraging future advancements in the field.


megafine
"State-of-the-Art Analytical Instrumentation in Pharmaceuticals"
Hanif A. Shaikh
Manager-Quality Control and Validation Cell
Megafine Pharma (P) Ltd.
Nashik, India
SANDIP
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DEPARTMENT OF BIOLOGICAL SCIENCES
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Nashik, Maharashtra, India
Trimbak Road, Xm78+6m8, Nashik, Maharashtra 422213, India
Lat 19.962894° Long 73.666712°
Saturday, 14/02/2026 10:52 AM GMT +05:30
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Event Co-coordinator	HOD, Chemistry	Associate Dean
Department Of Chemistry	Department Of Chemistry	School Of Science