

Dr. Ambedkar College, Deekshabhoomi, Nagpur
Department of Chemistry

Report of workshop
on
"Best Practices in Laboratory Equipment Maintenance"
Date of Workshop: 16/04/2025

A one-day workshop on "Best Practices in Laboratory Equipment Maintenance" was organized by the Department of Chemistry, Dr. Ambedkar College, Deekshabhoomi, Nagpur, on 16th April 2025. The workshop was specifically designed for the non-teaching staff members of the Chemistry Laboratory, with the aim of enhancing their technical skills and awareness regarding the upkeep and maintenance of laboratory instruments.

Principal Dr. Mrs. D. Y. Panhekar addressed the participants at the workshop. In her address, she emphasized the critical role that well-maintained laboratory equipment plays in ensuring accurate and efficient academic and research outcomes. She appreciated the initiative taken to empower non-teaching staff with the necessary skills and knowledge to handle laboratory equipment responsibly and efficiently. Dr. Panhekar highlighted that the upkeep of lab equipment is not only a technical task but also a vital contributor to the safety and sustainability of laboratory operations. She encouraged all participants to actively engage in the sessions and apply the best practices discussed during the workshop in their day-to-day duties. Her insightful words set a motivational tone for the workshop, reinforcing the importance of continuous learning and teamwork in achieving institutional excellence.

In a next session, A lecture was delivered by Dr. N. G. Telkapalliwar during the Workshop on Best Practices in Laboratory Equipment Maintenance. Dr. Telkapalliwar, with his vast expertise in laboratory management and instrumentation, emphasized the importance of regular maintenance and calibration of laboratory equipment to ensure accuracy, safety, and longevity. He discussed common issues faced in laboratories due to improper handling or neglect, and provided practical guidelines for routine upkeep. The session included insights into preventive maintenance schedules, troubleshooting techniques, and documentation practices. Dr. Telkapalliwar also highlighted the crucial role of non-teaching staff in maintaining operational efficiency and creating a safe working environment. The lecture was highly informative and interactive, encouraging active participation and discussion among the attendees, thereby significantly contributing to their professional development.

A hands-on training session on the "Maintenance and Calibration of Digital Conductometer" was successfully conducted by Dr. Mrs. D. M. Borikar and Dr. P. S. Deharkar. The session aimed to enhance the technical skills and practical knowledge of the participants regarding the proper handling, upkeep, and accurate calibration of digital conductometers, which are essential instruments used in laboratories for measuring the conductivity of solutions. Dr. Borikar explained the theoretical background of conductivity measurements, followed by a detailed demonstration of calibration procedures, maintenance protocols, and troubleshooting techniques. Participants were actively involved in the practical aspects of the training, allowing them to gain firsthand experience under expert guidance. The session proved to be highly

informative and beneficial, contributing to the professional development of the non-teaching staff and ensuring better laboratory practices.

Ms. Karuna Shahani was conducted training session on "Maintenance and Calibration of Digital Potentiometer". The session aimed to enhance the technical skills and practical knowledge of the participants in handling and maintaining digital potentiometers effectively. Ms. Shahani provided an in-depth explanation of the working principles, routine maintenance procedures, and calibration techniques of the device. The training included live demonstrations and interactive activities that allowed staff members to gain hands-on experience under expert supervision. Participants actively engaged with the equipment and clarified their doubts, making the session both informative and practical. This initiative greatly contributed to improving the operational efficiency and confidence of the staff in managing laboratory equipment.

A hands-on training session on the "Maintenance and Calibration of Digital pH Meter" was conducted by Dr. R. C. Sawant. The session aimed to enhance the technical skills and practical understanding of laboratory equipment among the support staff. Dr. Sawant, with his extensive expertise, provided in-depth guidance on the proper handling, routine maintenance, and accurate calibration procedures required to ensure the optimal performance of digital pH meters. The training also covered common troubleshooting techniques and safety protocols to follow while operating the instrument. Participants actively engaged in the demonstration and gained valuable practical experience, making the session highly informative and beneficial for their day-to-day responsibilities in the laboratory environment.

Dr. T. S. Wankhede was conducted a hands-on training session on the Maintenance and Calibration of Digital Colorimeter. The session aimed to enhance the technical skills and understanding of laboratory equipment among support personnel. Dr. Wankhede provided in-depth guidance on the working principles, routine maintenance practices, and step-by-step calibration procedures essential for ensuring accurate and reliable colorimetric analysis. The interactive nature of the training allowed participants to directly engage with the instrument, ask queries, and perform calibration tasks under expert supervision. This practical exposure significantly boosted their confidence and competence in handling laboratory equipment efficiently and safely.

All the faculty members delivered insightful sessions covering the routine maintenance, calibration, and safety protocols essential for efficient lab functioning. Practical demonstrations and interactive discussions allowed participants to engage actively and clarify their doubts. The event proved to be highly beneficial, equipping the staff with valuable knowledge to ensure smooth and safe laboratory operations. The department expressed its commitment to continuing such initiatives to support skill development among its support staff.

Dr. R. C. Sawant presented a heartfelt Vote of Thanks at the conclusion of the workshop. He began by expressing sincere gratitude to the resource persons for sharing their valuable expertise and practical insights that enriched the participants' understanding of equipment care and safety. He acknowledged the efforts of the organizing committee for meticulously planning and executing the workshop. Dr. Sawant also extended thanks to the management and principal for their continuous support and encouragement in conducting such capacity-building

initiatives. Special appreciation was given to the non-teaching staff members for their enthusiastic participation and keen interest in learning, which made the workshop a resounding success. He concluded by emphasizing the importance of ongoing training and collective responsibility in maintaining high standards in laboratory practices.



Parampoojya Dr. Babasaheb Ambedkar Smarak Samiti, Deekshabhoomi, Nagpur-10

DR. AMBEDKAR COLLEGE

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DEPARTMENT OF CHEMISTRY

Date: 09/04/2025

NOTICE

This is to inform all non-teaching staff members working in the Chemistry Laboratory that a Workshop on "Best Practices in Laboratory Equipment Maintenance" will be conducted as per the following schedule:

Date: 16/04/2025 (Wednesday)

Time: 12.30 PM

Venue: Chemistry Laboratory (Instrumentation Room)

The workshop aims to enhance the knowledge and skills of the laboratory support staff in the proper handling, upkeep, and maintenance of laboratory instruments and equipment. Attendance in this workshop is mandatory for all concerned teaching and non-teaching staff of the department.

(Dr. N. G. Telkapalliwar)
Workshop Co-ordinator

(Dr. Mrs. D. Y. Panhekar)
Principal

- 1) Dr. V. M. Shivankar -
- 2) Dr. B. M. Bawikar -
- 3) Ms. K. H. Shahani -
- 4) Dr. T. S. Wankhede -
- 5) Dr. P. S. Dehankar -
- 6) Dr. R. C. Sawant -
- 7) Mr. C. M. Gadekar -
- 8) Ms. R. R. Peddiwar -
- 9) Tahira Sheikh -
- 10) Aniya Sheikh -

- 1) M. S. Neralwar -
- 2) M. A. Shende -
- 3) A. D. DHO PTE -
- 4) B. R. Maheshkar -
- 5) K. S. Ghode -



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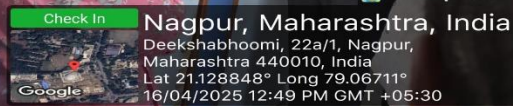
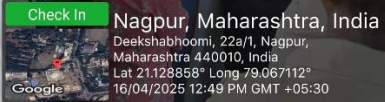
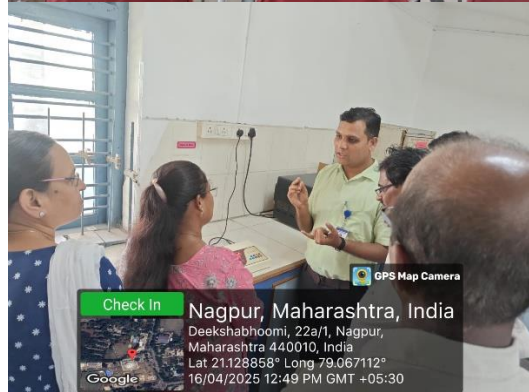
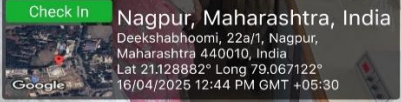
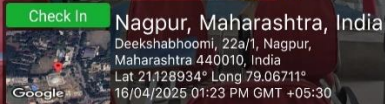
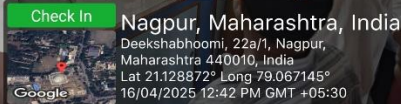
Workshop on “Best Practices in Laboratory Equipment Maintenance”
organized by
Department of Chemistry,
Dr. Ambedkar College, Deekshabhoomi, Nagpur

Date of Workshop: 16/04/2025
Time: 12030 PM – 02.30 PM

Topics	Name of Speaker/ Faculty In-charge
• Address by Principal	Dr. Mrs. D. Y. Panhekar
• Best Practices in Laboratory Equipment Maintenance	Dr. N. G. Telkapalliwar
• Maintenance and Calibration of Digital Colorimeter	Dr. T. S. Wankhede
• Maintenance and Calibration of Digital Potentiometer	Ms. Karuna Shahani
• Maintenance and Calibration of Digital pH Meter	Dr. R. C. Sawant
• Maintenance and Calibration of Digital Conductometer	Dr. P. S. Deharkar & Dr. D. M. Borikar
• Hands on Training	All faculty Members

Geotag Photographs during the Workshop







Sample Certificate of Participation



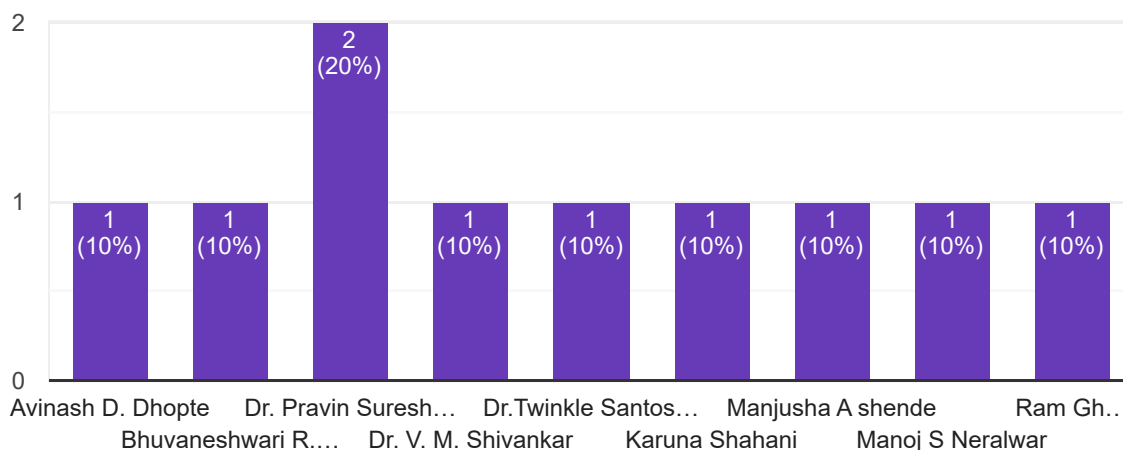
Feedback of workshop on "Best Practices in Laboratory Equipment Maintenance" organized by Department of Chemistry

10 responses

Full Name of the Participants

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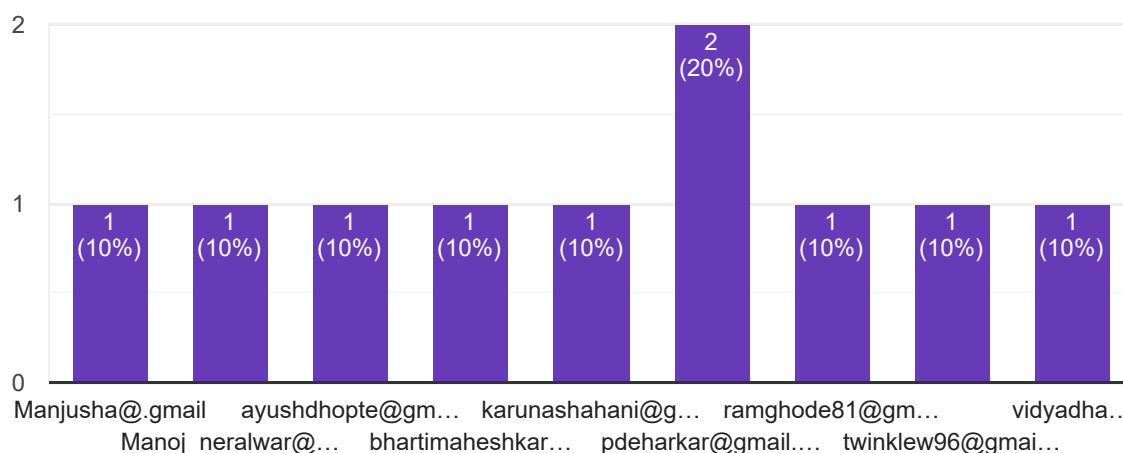
10 responses



Email Id

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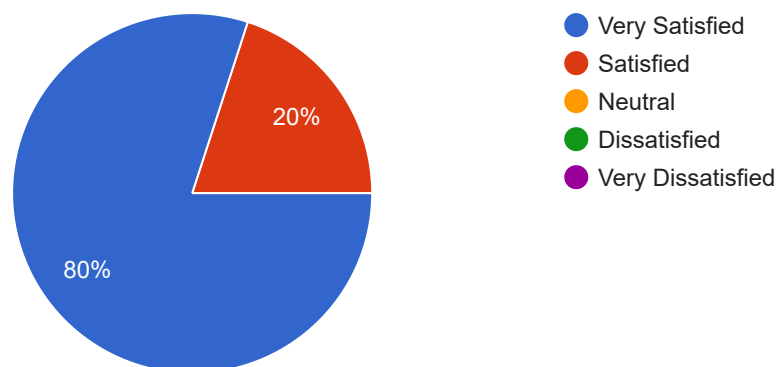
10 responses



How would you rate the overall workshop on "Best Practices in Laboratory Equipment Maintenance"?

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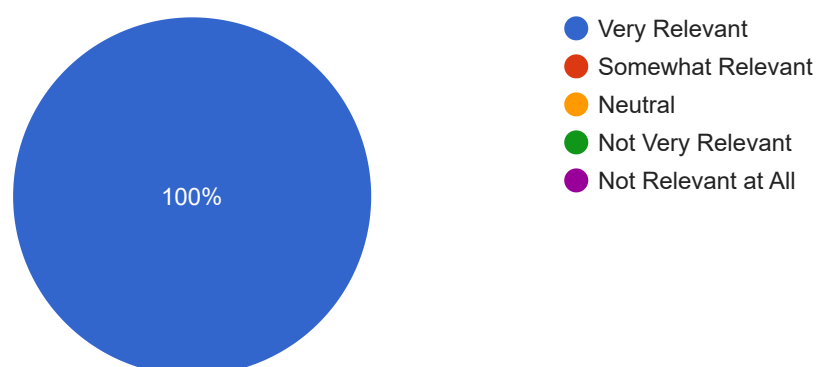
10 responses



How relevant was the content of the workshop to your role in the chemistry department?

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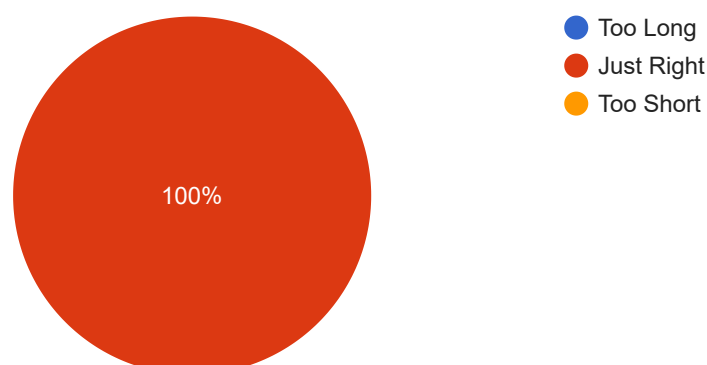
10 responses



Was the duration of the workshop appropriate?

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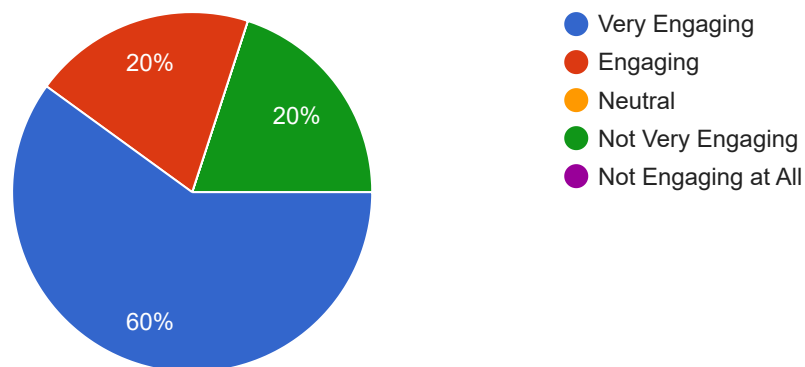
10 responses



How engaging and interactive was the workshop?

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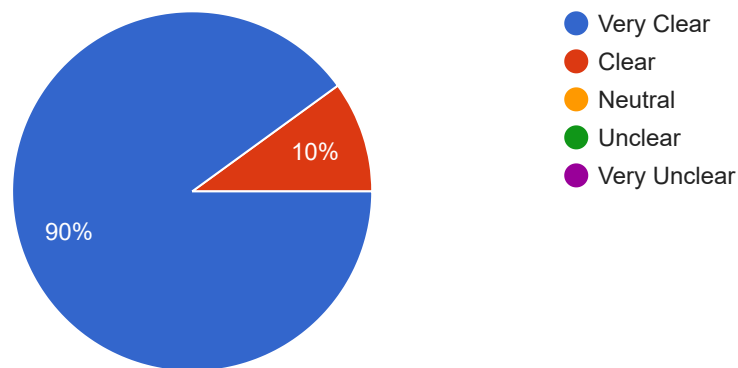
10 responses



How clear were the instructions provided for maintaining laboratory equipment?

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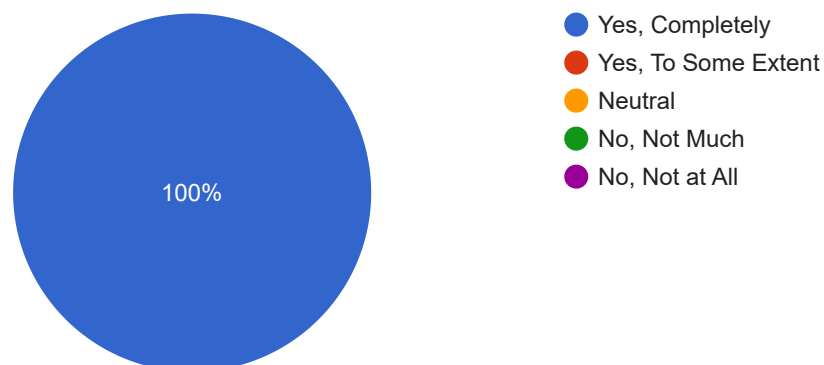
10 responses



Did the workshop provide practical knowledge that you can apply in your daily tasks?

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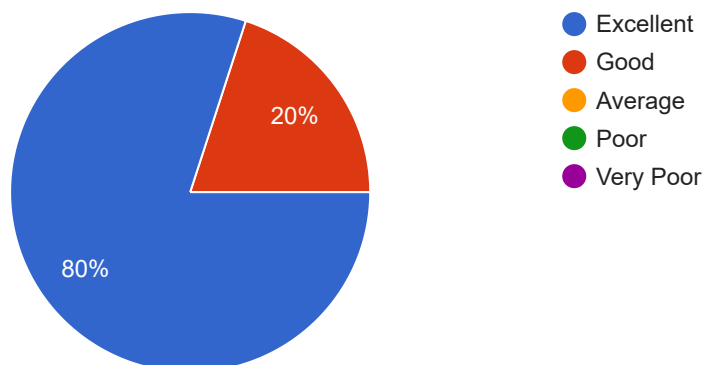
10 responses



How would you rate the faculty in-charge knowledge of the subject?

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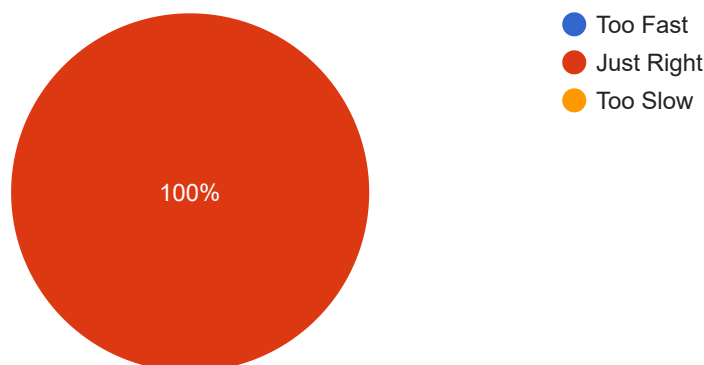
10 responses



Was the pace of the workshop suitable for you?

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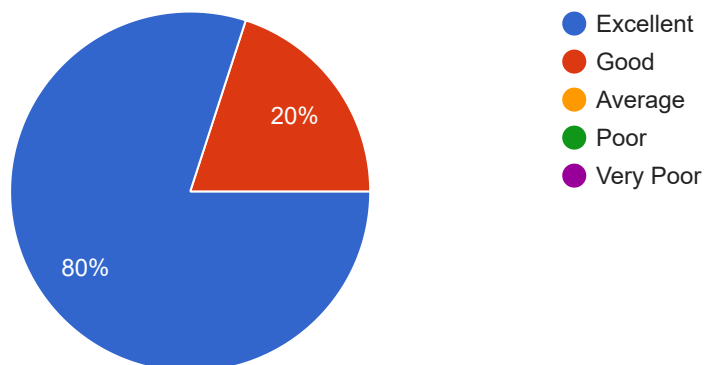
9 responses



How would you rate the quality of the materials (handouts, slides, etc.) provided during the workshop?

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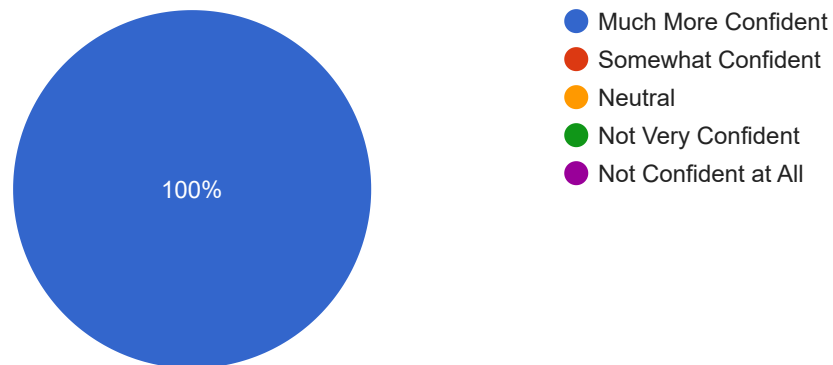
10 responses



Do you feel more confident in maintaining laboratory equipment after attending the workshop?

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10 responses



Any additional comments or suggestions to improve future workshops?

5 responses

Thank you

Thank you for arranging such workshops.

Good practices

no thanks

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