



Estd : 1957

# NALLAMUTHU GOUNDER MAHALINGAM COLLEGE

(AUTONOMOUS AND AFFILIATED TO BHARATHIAR UNIVERSITY)

Re-Accredited by NAAC

An ISO 9001 : 2015 Certified Institution

Aided by the Government of Tamilnadu

POLLACHI - 642 001.



Phone : 04259 - 234868, 234870

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DATE : .....

## 4.4.2 MAINTENANCE OF PHYSICS LAB

- The physics lab is kept up-to-date to ensure that the tools are working properly, the surroundings are secured, and experiments are carried out without disruption or contamination.
- The lab floor is swept and wiped, and the glassware is washed.
- Frequent inspection of the instrument is ensured for leaks, and worn-out components are replaced.
- A fire extinguisher is maintained to secure instruments from accidental fire.
- Regular calibration is necessary to make sure that the instruments are functioning properly.
- Adequate ledgers are maintained for inventory management.
- The proper use of the Instrument and its safety measures are taught to the lab assistants.
- ISO (International Organization for Standardization) audits in a laboratory are conducted to assess the laboratory's compliance with standards and to ensure that the laboratory is maintaining a high level of quality.



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## 4.4.2 MAINTENANCE OF CHEMISTRY LAB

- The chemistry lab is maintained to remain secure, spotless, and operational.
- Every lab assistant is trained in lab safety and in using the right procedures while handling chemicals and glassware.
- Accessible emergency supplies, including eyewash stations, fire extinguishers, and first aid kits, are maintained in good working condition.
- For accurate measurements, the lab Instrument must be regularly maintained and calibrated.
- To make sure that all chemicals and reagents are identified, tracked, and stored correctly with a proper maintenance register.
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## 4.4.2 MAINTENANCE OF BOTANY LAB

- Safety protocols are followed, including wearing appropriate personal protective Instruments (PPE), such as lab coats, gloves, safety glasses, and closed-toe shoes.
- Hazardous materials are properly labeled, stored, and disposed of.
- Regular cleaning of bench tops, floors, and Instruments is done by using cleaning materials to avoid contamination of experiments and specimens.
- All Instrument is regularly maintained and calibrated.
- Instrument maintenance registers and scheduled regular inspections and repairs are maintained.
- Keep track of the life cycle of plants and make sure that they are properly labeled and organized.
- To protect the plants from pests, pesticides are used.
- ISO (International Organization for Standardization) audits in a laboratory are conducted to assess the laboratory's compliance with standards and to ensure that the laboratory is maintaining a high level of quality.



  
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## 4.4.2 MAINTENANCE OF ZOOLOGY LAB

- Appropriate software is used for virtual dissection, and it is important to choose one that is suitable for our specific needs and offers a comprehensive and realistic experience, including high-quality graphics and interactive features.
- Virtual dissection requires a powerful computer with adequate RAM and a graphics card. The computer should also have a large enough screen to provide a clear and detailed view of the virtual dissection.
- Dedicated lab area for virtual dissection with enough space for students to work comfortably, sufficient lighting, comfortable seating, and a clean environment
- Instrument maintenance registers and scheduled regular inspections and repairs are maintained.
- ISO (International Organization for Standardization) audits in a laboratory are conducted to assess the laboratory's compliance with standards and to ensure that the laboratory is maintaining a high level of quality.



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