

LADY DOAK COLLEGE, MADURAI

DEPARTMENT OF PHYSICS AND RESEARCH CENTER

Physics Laboratory Policies and Procedures

Laboratory learning helps to:

- ✓ Observe, practice, and experiment with objects, materials, phenomena, and ideas either individually or in groups.
- ✓ Develop practical competence.
- ✓ Relate and reinforce the theoretical concepts taught in class.
- ✓ Enhance experiential learning.
- ✓ Investigate and inquire, leading to the development of cognitive skills.

Lab Etiquette to be Followed

a) Prior to the Laboratory Session

- ❖ Every student will be provided with an individual lab setup.
- ❖ The necessary lab equipment/apparatus for the experiment will be available close to the designated lab setup.
- ❖ Get acquainted with the appropriate safety measures, experimental procedures, and lab manual, and complete the pre-lab work before the session.
- ❖ Wear appropriate footwear and overcoat for lab work.
- ❖ Regular attendance is mandatory, and the course facilitator should be notified in advance if unable to attend a session.
- ❖ Arrive on time for scheduled lab sessions. Late arrivals may result in reduced lab time.
- ❖ Entry should be made while collecting consumables, components, and measuring tools.
- ❖ On the day prior to the actual lab day, the electronic lab components needed for carrying out electronic experiments will be provided.

b) During the Laboratory Session

- ❖ Avoid eating or drinking in the laboratory.
- ❖ Do not write or mark on lab equipment, materials, or the working table.
- ❖ Doing experiments in the laboratory without supervision is prohibited. Engaging in experiments without permission or using equipment unsafely is strictly forbidden.
- ❖ Ensure proper calibration of instruments before doing experiments. Any calibration issues, failure, or breakdown of equipment should be reported to the lab assistant.
- ❖ Never touch a live wire circuit or any electrical equipment with wet hands.
- ❖ Before connecting the power, wiring should be checked carefully for any short-circuit or loose connections to avoid accidents.
- ❖ Do not take equipment outside the lab without the consent of the teacher.
- ❖ Be considerate of others' workspaces and equipment. Avoid creating disturbances and adhere to the instructions provided by course facilitators.
- ❖ Follow the lab procedures and record observations, measurements, and data accurately.
- ❖ Individual understanding and contributions are expected, although discussion within assigned groups is allowed unless specified otherwise.
- ❖ Working in the lab after hours is permitted only if the student informs the faculty in charge in advance.

c) After the Laboratory Session

- ❖ Switch **OFF** the power supply and return all the components after completing the experiment.
- ❖ Make sure your lab station is neat, clean, and organized at the end of each lab period.
- ❖ Submit reports by the specified deadlines.
- ❖ Maintain academic integrity by citing sources and refraining from plagiarism.

You agree to abide by these regulations in the Physics Laboratory. Non-compliance may result in access restriction or other disciplinary actions.