Guidance for lab report writing:

After completing a lab experiment, the Lab Report is due and submitted within one week during the next lab class. Each group **submits one lab report** per experiment, and any late submissions will be penalized. Each group must also write the results and data (collected practically from experimenting) in the datasheet provided with the manual and get it signed by the Lab Instructor. This paper will also contain the name and ID of the student and must be attached with the Lab Report. It shall act as physical proof that the group completed their experiment successfully without manipulating any result. Below is a detailed description of what each Lab Report must contain:

1. **Cover Page-** All lab reports should have a cover page, and the same cover page should be used for all the lab reports. You can make photocopies of the cover page and use it, or you can take a printout that looks similar to the cover page. A cover Page template will provide by the instructor.
2. **Title** – Give the Title on the first page from the same as Lab manuals
3. **Objectives** – You should briefly write what the aim of the experiment was. In other words, write what your intent to achieve by experimenting.
4. **Theory** – In this section of the Lab Report, you will specifically write only the things taught during the lecture time of the class by the faculty. This section should be concise and to the point. Marks will be given based on your ability to explain what you understood during class time. Copying anything from another lab report of a different group will earn your group and the group from which you have **copied a straight zero**. Copying anything from a lab report of a past semester will also make you a straight **zero** if caught.
5. **Circuit Diagram** – Give the circuit diagram for the experiment; it may be computer-Aided or hand-drawn but should be clean and legible.
6. **Data/Readings/Truth table** – This lab report section will contain the data that you have collected practically in the lab. Attached the Data/Reading in your Report.
7. **Questions and Answers**: For each experiment, there is a set of questions in the Lab Manual; for each Lab Report, there will be one set of Questions and Answers. No need to answer the hardware related questions.
8. **Discussion** –This is one of the essential parts of the lab report. What you write here proves how attentive and careful you were during the lab class. **Copying a single line from another person's discussion or a previous lab report will earn you a straight zero** if you get caught. In your discussion, simply write what you did during the lab session (you may also write about small details), what you expected to see from the theoretical knowledge you had and what you eventually saw in practice. Suggest a legitimate reason for the possible fluctuation, if any. You can also write about the limitations and drawbacks of the experiment. You can also put your suggestion (If you have any) on improving our experimental setup. Your observation and the order in which you write them are of utmost importance to score good marks here.

*** Arrange the documents Pages/papers/Attachments from 1-9 according to the order above. ***