

Dear All,

Please carefully read and follow the guidelines below for the lab sessions and post-lab submissions:

Lab Details

Lab Timing:

- **Day:** Every Friday
- **Time:** 2:00 PM - 5:00 PM

Lab Material:

1. Distribution:

- The lab material will be shared **one week in advance** through Moodle.

2. Preparation Before Lab:

- Carefully read the lab material before the lab session.
- Complete the **simulation exercises** (if included in the lab material) before coming to the lab.
- Understanding the theoretical and practical aspects of the experiment beforehand is critical for smooth lab execution.

3. Doubt Clarification:

- If you have questions about the lab material or the simulation exercises, discuss them during the lab session.
- **Assigned TAs** will be available to assist and clarify any doubts during the lab.

In-Lab Requirements

Please bring a notebook, toolkit, laptop and pen drive.

1. Notebook Work:

- During the lab, you are required to:
 - Note down the readings and observations in your notebook.
 - Understand the essence of the experiment thoroughly.
- At the end of the lab, **show your notebook to your assigned TA for verification and get their signature.**

2. Post-Lab Submission Deadline:

- After the lab ends, you will have a **hard deadline of 10 minutes (till 5:10 PM)** to submit your lab work.
- **Submission must include:** A scanned copy of the signed notebook prepared during the lab session.

3. Capturing Plots from DSO:

- Use a **pendrive** to save plots from the Digital Storage Oscilloscope (DSO).

4. Steps to Save Images from DSO:

- Insert the pen drive into the USB port on the DSO. (You will see "USB drive inserted" on the top-left of the screen.)
- Press the **Save/Recall** button on the DSO.
- Press **Action** and select **Save Image**.
- Choose the desired image format (PNG, JPG, or BMP) using **Save As**, then press the **multipurpose button** to save.
- The DSO will display "**Save Image successfully**" on the top-left.

Post-Lab Report Submission

1. Submission Deadline:

- **Day:** Next week Wednesday
- **Time:** 11:59 PM (Hard Deadline)
- **Late submissions will not be accepted under any circumstances.**

2. Report Guidelines:

- The report must be prepared in **LaTeX**, following the prescribed format (I have attached a template below).
- Include the following sections in your report:
 - **Simulation Exercises (if applicable)**
 - **In-lab Readings and Observations**
 - **Plots (only those taken from the DSO; mobile images are strictly prohibited)**
 - **Answers to the Questions** mentioned in the lab handout.

Important Notes

- Ensure you bring a pen drive to the lab to save the plots.
 - Ensure all guidelines are strictly followed for a smooth lab and submission process.
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