

EEEC134A Lab Report Guidelines

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Lab reports are to be completed by teams not by individual students.

The format of the lab report should follow the IEEE conference template available for download at: https://www.ieee.org/conferences_events/conferences/publishing/templates.html

You may follow the structure below for your lab report.

1. Cover

- (a) Include title, name of the team, name of the team members, and date

2. Procedures

- (a) There is no need to repeat the lab manual. If you followed the lab manual precisely, you can simply reference it, e.g. “Follow steps 1-5 of Experiment 4.2,... ”
- (b) If you deviated from the lab manual, describe your procedures clearly and concisely. It may be a good idea to use photos to illustrate your procedures. You should also provide justifications why you followed different procedures.

3. Results and Discussions

- (a) Present your results in forms of tables, pictures, screen captures, data plots, etc. Pay attention to resolution, font size, trace width/color, etc to make sure that the plots are legible. All pictures must have a figure number and a caption. All pictures must be referenced in the text.
- (b) Discuss your results thoroughly. Some good questions to ask yourself while doing data analysis:
 - i. Are the results complete?
 - ii. Do the results make sense, i.e. do the results agree with theory/design? If yes, why? If no, why not?
 - iii. What are the trade-offs of a particular design? i.e. while you gained performance in some aspects, what price do you pay?

4. References

- (a) Acknowledge everyone from whom you have benefited from in the completion of the lab report
- (b) Reference all materials that are not generated by your team.

5. Appendix

- (a) Put design files and code in the appendix.