

Lab/Project Report Format

Each laboratory project requires the submission of a report along with the design and source files. Every report should contain all of the information described below. All lab reports should be typed. Failure to include any of this information will result in a loss of points.

Cover Page (Only needed if you submit the report in paper, not online)

Download from course website and put it on top of your report.

Abstract

This section should contain one short paragraph which summarizes the work that you performed for the laboratory and describes the results that you ended with. The abstract should be 6 to 10 sentences.

Introduction

This section should contain 1 to 2 paragraphs which will discuss any background information which is pertinent to the laboratory. Additionally, it should describe the purpose of the laboratory and expected results of the laboratory.

Design and Implementation

This section should contain several paragraphs which describe the system that was designed and implemented. You should detail exactly what was built as part of the laboratory, how it was built, and why it was built. Block diagrams, circuit designs, figures, source code, and screen shots are all highly effective and concise ways of communicating your design and implementation (this means use them, especially screen shots). Any source code a student has written can be placed here.

Results

This section should contain at least 2-3 paragraphs which describe the results of the laboratory. Describe the functionality of the resulting design and discuss how well your design and implementation solved the original problem. Provide any useful system metrics such as the amount of code or the amount of time which was required to solve the problem. Also, be sure to mention any problems which were encountered during your design and implementation. You can post pictures you have taken during the lab such as the output of the 7-seg LED here.

Conclusion

This section should contain a short paragraph which finishes the report. Reiterate the original problem and quickly reason about how and why your design and implementation solve the problem. State what you learned from this lab and how you learned those materials. Provide any insight you might have about possible future work related to the project and provide any interesting suggestions or extensions to the project that could be explored.