

ECE352

Project Report Specifications

Report is due by the end of finals week

The project report documents the design, implementation, and testing of your embedded system. As you have learned in the course an embedded system consists of both hardware and software. In this paper you will be telling the “story” of your design and testing of the embedded system you have chosen to implement.

The project report should follow the following format:

Introduction

Here simply introduce the topic of your project. Answer questions like: What is it? Who would use it? Where is it commonly found?

Specifications and Goals

Explain how the system should operate. Try to do this starting with general behavior and then getting more specific. Use tables and diagrams where appropriate. If there is a behavior that you planned that does not work in the final implementation, include it here anyway.

Hardware Design

Provide a schematic of the hardware design and write an explanation of the schematic. The schematic and description together should be specific enough that someone could use it to replicate your actual hardware.

Software Design

Include your source code and a description of the code. Include: flow diagrams, algorithms in pseudo-code, box diagrams and other diagrams would be helpful for explaining the code.

Results and Conclusion

Describe the way your system is designed to work, and how well it meets the design goals. Describe your test process in detail and give the results. Use tables and graphs as much as possible. If there are any aspects that do not behave as specified, explain this. If you know of other design choices that would have improved your final results, explain those. Conclude with the lessons and concepts that you learned in the project.

Writing

Writing must be clear and concise.