

ECE CAPSTONE PROJECT
<PROJECT NAME>

NAME(S)
EMAIL ADDRESS(ES)

DATE

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1. EXECUTIVE SUMMARY

The executive summary provides an overview of the content contained in the report. Many people write this section after the rest of the document is completed. This section is important in that it provides a high-level summary of the detail contained within the rest of the document.

2. INTRODUCTION

This section provides a high-level description of the project. The purpose of this section is to provide detailed descriptions of exactly what the team did, so this information can be applied to the following sections of the document. It is important that this description captures the most important aspects of the project, as well as how it may benefit the university or city.

- Important: Make sure that you describe your decision-making process here.
- How did you make the choices you made? What problem did you try to solve?
- Why is it interesting?
- The introduction summarizes the relevant literature so that the reader will understand why you were interested in the problem you chose.
- One to four paragraphs should be enough.
- End with a sentence explaining the specific problem you solved.

3. METHODS

This section explains what you did to plan, execute, and test your project.

- How did you solve your problem? There should be enough information here to allow other engineers to repeat your process (with effort, of course).
- If you had a complicated protocol, it may be helpful to include a diagram, table, or flowchart to explain the methods you used.
- **Do not put results in this section.**
- Mention relevant ethical considerations.

4. RESULTS

This section describes the results from your testing.

- This is where you present the results (especially testing results) that you got.
- Use graphs and tables if appropriate, but also summarize your main findings in the text.

- **Do NOT discuss the results or speculate as to why something happened; that goes in the Discussion section.**
- You don't necessarily have to include all the data you've gotten during the semester. This isn't a diary, just a report of final results.
- Use appropriate methods of showing data. Don't try to manipulate the data to make it look like you did more than you actually did.

5. DISCUSSION

This section discusses the implications of your test results and of your project overall.

- Highlight the most significant results, but don't just repeat what you've written in the Results section.
- How do these results relate to the original problem?
- Does the data suggest that your solution worked?
- Are your results consistent with what other engineers have reported? If your results were unexpected, try to explain why. Is there another way to interpret your results?
- What further research would be necessary to answer the questions raised by your results?
- How do your results fit into the big picture?
- End with a one-sentence summary of your conclusion, emphasizing why it is relevant.

6. CONCLUSION

This section should discussed what you learned from doing this project.