

References (of this document): The ECE 11 Final Project Report format, created by Prof. Can E. Korman, has been incorporated here with minor modifications

Format of ECE 20 Final Project Report

The report is to be typed in your own words. It must be submitted as a formal report with a cover. Your diagrams must be neat and done on a computer. The report must include the following sections:

(i) Title Sheet

University name, School name, Department name, Name of the Project, Name of the Report, Your Name, Number and Section of the Course, Date of the Report, Professor's Name, GTA's Name.

(ii) Abstract

A one-paragraph summary of the project including a brief description, problems encountered, and the results.

(iii) Table of Contents

List each section by section number also include the title of the section and the page number it begins on. You must use MS Word's automatic Table of Content feature.

(iv) List of Illustrations

A complete list of all the titles of the illustrations in the document by figure number and page number. [It follows that all figures in the report should have a figure number and a caption].

(v) List of Tables

A complete list of all the titles of the tables contained within the report by figure and page number.

1. Specifications

A formal statement of the specifications of the product. What does the product do? What are the inputs? What are the outputs? What equipment is needed? What power is needed?

2. Theory of Operation

A top-down description of the project including block diagram and a description of what each part of the project does. Then describe in detail, the circuitry used in each part of the project.

3. Circuit Diagrams, Layouts & Wire Lists

This section contains a complete set of all circuit diagrams, a physical layout of the

entire project and a complete wire list that details all the electrical connections used in the project.

4. SPICE Simulation

This section shows the schematics and output plots of all circuit use in the project.

5. Testing Procedure

A description of the tests, which will be done on each part of the design to see if it meets specifications. Testing procedures should be keyed to specifications as stated in 1 above. Testing procedures to be performed on the entire product.

6. Complete Parts List

A list of all parts that includes the circuit reference designator of the part, its name and specific description, and its part number.

7. Conclusions

Provide a general review and status statement of the project. Be specific as to major events accomplished and major events missed. If problems have occurred indicate how they have been resolved.

8. References

Include all reference material appropriately documented. Include a copy or reference to any source material, which is being used as a guide to the project.

9. Appendices

Include in the appendices such items as specification sheets, voluminous data which could be of interest to the reviewer, copies of relevant pages of the log book, relevant reports etc.

DOs and DONTs

- The report should be written in the third person passive or the first person plural. Do not use casual or colloquial language anywhere in the report.
- All pages, except the title, should have page numbers. Do not write the numbers by hand.
- All figures should be inline with the body of the text and have a figure number and caption. Do not write these by hand.
- The abstract should summarize your project in one paragraph. Do not write the detailed theory of operation in your abstract.
- The conclusion should focus on your final results, the problems you encountered and how you resolved them. Do not air your views on education, health or the philosophy of life!
- Block diagrams and circuit diagrams should be used liberally to aid in understanding. However, do not begin a chapter or a section with a figure.
- Do not print on both sides of a page in a formal project report.