

The preparation of your proposal, and final report
Version: 99/10/12

1

Proposal:
Includes the following sections:
Title Page:

Course Number
Title of Project
Author(s), Student Number(s)
Date of Submission

Introduction

Description of the device

Include diagrams, what it will do, and the analysis of how it works.

Purpose of the device:

What are the principles of operation, why does it work

Predicted operational specifications of your device, based on the characteristics of the components that you plan to use.

Engineering of the device:

Components required

Their cost and where do you buy them. A proper description of the suppliers names, phone number, web address are required here. So that if I want to build one of these, I can immediately get in touch with these suppliers.

Estimate how long it will take you to build and test the device. Produce a Gantt chart of your planned activities.

2

Final report: each person submits their own report, even if you work in a team.
Title Page:

Course Number
Title of Project
Author , Student Number
Partner's name if applicable
Date of Submission

Introduction:

Description of the device.

How does it work. Compare its operation with that which you predicted.

What modifications did you make to match your predicted characteristics? What other improvements did you make to improve on your original design. Provide a complete diagram of the device, with a full description of all of the components. Include in your report all the necessary quantitative data and graphs that characterize the operation of the device. This should include: a) any scope traces of important signals in the device, b) any performance graphs, ie frequency vs temperature.

Description of your work:

How long did it take to do the various tasks required to complete your device. Compare the actual time, with what you predicted in your proposal.

Provide a gantt chart of the actual work. Should include tasks like:

Researching the sources of the components. Researching the references to understand how the device works. The various laboratory tasks of measurement, assembly and testing.

Appendix: copy of the proposal: