

Project Proposal

[Title Of Project]

[insert the date here]

[put your name, and email address here]

Project Abstract

[About 1/3 of a page: Provide about brief description of your project and what you are going to do.]

Strategy

[2-3 pages: Give a description of the overall design. What platform, microprocessor or microcontroller will you use. What capabilities of that platform will you be using (interrupts, ADC, etc). What external hardware (sensors, motors, etc) do you plan on using and what sort of evaluations you have done so that you know that it will work (or what you would like to use but rejected because you don't think it will work or can't get the information you need to make that determination). What software modules you will need to write, both for the control of the hardware and for you main application.]

[Include a preliminary hardware block diagram (label components and interfaces) and a preliminary software block diagram (labeling important components, data, etc).]

Unknowns

[1-2 pages: Describe the parts of your design that you are not familiar with yet, or that you have not figured out.]

Implementation Plan

[1-2 pages: Describe how you will build your project, what steps will you need to follow. Include a simple milestone chart showing what you need to have done. Include how you will eliminate any unknowns, verify your hardware components, and test your software components. What decisions will be necessary later on in the project? Is there any critical path that you need to be conscious of, like long lead times on certain components, or finding certain information?]

Resources

[1 page: Specify what resources you will need for your project and how you will get them. Include all university hardware, borrowed hardware, dependency on special software (compilers or assemblers), or special purpose hardware (like test equipment or network equipment).]