

## Project Final Report

### [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 did. This may differ slightly from your proposal as you adjusted for changes in scope and possibly different components. ]

#### ***Status***

[About 1/3 of a page: Works works as planned and what didn't work as you thought? What changes did you need to make? ]

#### ***Specification***

[2-3 pages: This final report should contain ALL information on your project in sufficient detail that someone could reproduce your project. Give a description of the overall design. What platform, microprocessor or microcontroller did you use. What capabilities of that platform did you use? What external hardware (sensors, motors, etc) did you use (be specific including part number and source). What software modules did you write, both for the control of the hardware and for your main application.]

#### ***Implementation & Construction***

[2-3 pages: Include an accurate hardware block diagram (label components and interfaces), schematic, an accurate software block diagram (labeling important components, data, etc), flow chart, state diagrams and sequence diagrams (as appropriate). Describe all construction details. Include a simple milestone chart showing what you did. Include descriptions of all hardware and software tests and verifications you did. Include photos of your final project. ]

#### ***Retrospective***

[1-2 pages: What were the important design decisions you need to make? How did they influence your project? What did you learn from this project? How would you do things differently if you knew what that before you started?

#### ***Attachments***

[include with this final report all programs (application and test program as source code not executable) and data sheets for all components, and any other supporting documents that you think are needed. Also include schematics, and diagrams if they were developed in a different application (and tell me what that application was).