**Team members:**

1. **Introduction and overview of project**

In this section you should provide an overview of what the goal of your project is and why this goal is worthwhile (either commercially or for the benefit of society). Be succinct and clear about what your project produced and how it was demonstrated at the COE Design Expo. Provide references to any literature/software/patents, e.g., “J. Smith established in [1] that it is possible to interface a FPGA similar to the Spartan3 to a similar combination of a video camera and EEG electrodes used in our project.” “We used an algorithm discussed in [2] to determine where our robot was given three angles.”

Summarize the degree to which you achieved all the goals and milestones in your original proposal.

1. **Description of project**
2. Go into more detail on your project describing the goal, the system concept, and the feasibility of your project.
3. Describe the system architecture, including a detailed block diagram (not drawn by hand) of the system including peripherals, processors and the like. Give an explanation of how the architecture works – what the function of each of the devices is and how you communicate to them.
4. **Milestones, schedule and budget**

How well did you stick with your original schedule? Your original budget?

1. **Lessons learned**

What went well? What went poorly? If you could send a short memo back in time to your group when you first started, what would it say? What technical material do each of you feel you’ve learned from the project?

1. **Contributions of each member of team**

Describe the contributions of each team member to the project in the form of a table as indicated in the example below. If you can’t come to an agreement, make a note of that and have each member e-mail the instructor 2 days before the final exam.

**Team member Contribution Effort**

Rob Redford: programmed algorithm, tested prototype 25%

Tania Harding: PCB design, soldering, algorithm design 25%

John Doe: PCB design, assembly coding 25%

Julia Child: Interface and I/O programming, wrote report 25%

1. **Parts**

Provide a parts list and final budget (not including shipping) for your project. A printed version of your spreadsheet is fine, *but the printing needs to be readable*.

1. **References and citations**

Further notes: This will probably be 8-10 pages or so and should almost certainly have diagrams, pictures and other things which make it clear what you actually did and how you did it.