

Rubrics for Position Paper
Due: 9/28/2015

The Position Paper is a refinement of the initial project idea, along with some concrete details, such as position descriptions for the team members. This paper must be submitted by the group, and the grade received will be the same for all group members. Please demark your answers according to the following questions.

1. Who is your market/customer? This represents a broadening of the initial statement by asking “who?” Who is your faculty advisor (not Dr. Wright)?
2. What is your specific goal statement? This is a narrowing of your initial goal statement by asking “what obstacle?”
3. Write a one paragraph statement describing your project idea. This statement will appear on the Capstone web site. It can be modified throughout the semester.
4. What are your essential goals and desired goals? (These can change throughout the semester.)
5. What is the job description of each team member? At the end of the project, this will be used to determine whether the team member accomplished his/her work in the project.
6. What don't you know? Throughout this semester, the goal of the team is to fill in the content that you are missing so that you can design/build a project next semester. The goal this semester is to design/build a prototype of the thing you need a compelling answer to.

Assignment on the Web Site (for comparison)

0. One position paper per group

1. start with the goal statement and both broaden it, by asking “why?” and narrow it by asking “what is the obstacle to achieving this?” I want the group to come up with a triangle like we discussed in class.
2. Using this information, I want you to identify the essential goals and the desired goals. For the mechanical folks, these are top level functional requirements.
3. I want each position on the group to develop a job description. This will be the job that I hold you accountable for all semester.
4. I want you to look at the project, as a group, and ask “what don't I know?” You should already have a list of what you DO know from the first class.
5. Once you've identified the big areas where you have knowledge gaps, you need to come up with a plan to fill those gaps ... specific to your project. This will guide you to the development of your prototype and whatever research you need to do this semester.

For instance, if you have a need for a programming/control task and you don't have anyone on the group who has expertise in controls or programming, you need to come up with a plan whereby one of your team members goes on a crash-course self-study on embedded programming.

6. Who is your customer and faculty advisor? You need to make contact with the faculty advisor this week.