

My Project Proposal

by
My Full Name
with
My Partners' Names

Submitted to the Electronics Engineering Tech Program at Portland Community College
YYYY-MM-DD

Abstract:

Here you will very quickly introduce the project and describe what challenge it solves. This could be as much as 2 paragraphs, but the point is to allow the reader to see if this is a document that is of interest to them.

Introduction:

Here you will introduce the project and describe what challenge it solves in greater detail. This could be as much as 4 paragraphs that discuss the nature of the challenge and how your project solves or provides relief by reducing complexity, reducing time, increasing productivity, increasing reliability, etc.

If your project expands upon an existing project or system, make sure to talk about the current state of the project and how you are improving upon it.

Preliminary Research:

Here you will discuss the research you have already done to identify the challenge itself and the need for a solution. If you are making an apparatus to make home brew beer easier or safer, does your apparatus fit into a common method of home brewing? If not, what is the point of your device? Does it make a better but more difficult method of brewing easier, enabling more people to use the method? Include search strings used, web links, article titles for non-web articles, people/companies interviewed, etc.

NOTE: If you are using an existing project you have found on the internet or some other resource, make sure to include that here. Remember, a picture is worth 1000 words. If you are making an improvement to a system at work and there is no publicly available documentation, it would be a good idea to take pictures that show what the system does.

Future Research:

Here you will discuss the methods you will use during the project to further research the project? Most commonly, this section is filled with unanswered questions that you need to research and how you intend to answer them. Examples are:

- Have others attempted a similar project? (Web Search Engine search strings, library searches, etc.)
- Have others already made the various components you will need, and you just need to put them together? (Can I buy the parts or do I have to make them? Are there components on thingiverse.com or DIY instructions on instructables.com on how to make the parts?)
- Do I have all the skills I need to complete this project?
- If I don't have the skills needed, how will I obtain them (web sites, professionals, etc.)?
- And more...

Concept work:

Here you will give a detailed description about how you think your project will work. You can include block diagrams of circuits. Preliminary drawings of mechanical parts and assemblies (scanned hand drawings are OK), etc.

Applied EET skills:

Discuss how you are using the skills learned in the EET program towards this project. Read over the CCOGs for the classes you have taken to create a list of skills, then try to apply some aspect of the project to that skill (e.i.: "The bridge rectifier helped me make the power supply for my project").