

EE152

Project Assignment

Assigned 11/12/13

Due 12/5/13

As described in the project proposal assignment, your project should be a significant design or study related to Green Electronics. It should be scoped to take about 9 hours per week for the remaining weeks of the class (not counting Thanksgiving break). You should already have your topic and have submitted your project proposal. This document gives more details about the expected deliverables.

Deliverables

The project consists of the following deliverables. Each is described in more detail below.

Deliverable	Due Date	Description
Project Proposal	11/12	What you will do for your project – see the project proposal assignment for details.
Checkpoint 1	11/19	Progress report covering first milestones as defined in your proposal
Checkpoint 2	11/26	Progress report covering second milestones as defined in your proposal
Project Report	12/5	A website de
Project Presentation	12/5	10 minute oral presentation – with powerpoint – on your project

Project Report

Your project report should be a website that we will link to the EE152 web page. Be concise – points will be deducted for voluminous reports that don't convey a lot of information. At a minimum your website should include:

Summary	Overall description of your project and results (1 page max)
What you did	A list of what you accomplished – design studies, simulations, construction, evaluation, etc...
What you learned	A short description of what you learned in the course of the project. Include key design decisions and their rationale.
Key results	Key results, e.g. efficiency, tracking speed, power factor, etc... backed up by measurements (scope photos) and/or simulation results.

Description of Deliverables	A description of your project deliverables. For example, If you built a prototype show and describe your schematics and PCB layout. Present and describe your BOM. Show a photograph of the final system. If you did a detailed simulation study describe your schematics, any models you developed, and your results.
Next steps	If it makes sense to take this project further what remains to be done. If it doesn't why not?

Project Presentation

Your presentation should be 10 minutes in length and should cover the key points of your project report. You should use visual aids where needed, but avoid putting text on your slides. Slides are for pictures. You should speak the words. Make your key points and support them with facts. You have limited time, so don't waste it by either stating the obvious (things your audience already knows) or going into unnecessary detail. Go into detail only as needed to support your key points.

Checkpoint Reports

For each checkpoint you are to submit a short report describing: (1) what you have accomplished since the last checkpoint, (2) any difficulties you have encountered and how you dealt with them, and (3) any changes to the remainder of your project plan.