

The University of Alabama in Huntsville
Department of Electrical & Computer
Engineering

**General Guidelines for Creating Senior Design
Project Webpages**

CPE 496 Spring 2016

Initial Web page Due Date: February 12, 2016

Grade Assignment: The project web site will be graded according to its comprehensiveness, correctness and adherence to the following standards.

Hosting Location:

The Department of Electrical and Computer Engineering will be making available a temporary access to a specific web server that should be used to host your project. Details on access of this site will be provided to the team on February 4, 2016. Individual teams may request that their website be hosted separately in a separate location but in such cases the website should be made to be easily ported to the specified ECE website location. At the end of the course, as part of the general course deliverables, students will be required to download their final webpages into an archival location that will be specified by the course instructor.

Portability

The website should be created in a form that is highly portable. With a single entry page present that can reference through hypertext or other mechanisms external links and any other subpages that are present. All path names should be relative to the initial home page location.

Viewability

The webpages should be portable and easily viewable on a mobile electronic device as well as a standard desktop PC. On a PC it should be viewable without modification using Google Chrome, and Firefox web browsers.

Adherence to UAH Webpage Guideline Standards

The final website should be written in a manner that adheres to the UAH Webpage Style guidelines. This document will be accessible via Canvas by February 3, 2016.

Content

Class Websites should in general contain the following items. They do not have to use these headings though.

1. Project Title & Type:

Clearly viewable on your main webpage should be the project title. It should contain your official project acronym followed by the name of your project. Also specify the type of project. If your project is funded externally then call it a "Sponsored Project" and give the name of the company or organization who is sponsoring it (i.e. SteelCase, GaN Corporation, Emerson, NASA, IEEE, UAH, Fred's Small Project Company, etc.). If it is a project that your team is paying for and/or the idea was original to someone on the team then label the project as a "Team Originated Concept". In all other cases specify the project as "UAHuntsville Supported Initiative".

2. Sponsor Acknowledgement

Right after the Project Title and Type you should acknowledge any sponsorship or mentorship that you received from sources other than myself or your course graduate instructor. This is true for any type of project. A mentor differs from a sponsor in that a mentor is a resource in which technical or programmatic information is obtained but no monetary support.

3. Project Summary

This project description paragraph should contain a clear description of goal(s), scope, and objective(s) of the project. It should be written a manner that summarizes the project as if it is already completed.

4. Team Members

A team picture with caption should serve this purpose. A description each team members' responsibility should also be included. Members may opt out of this component of the web page if they object to having this information available for internet access. In this case, a generic reference should be included to reference specific team member (such as "Team Member 1", "Team Member 2"). In the final report to the instructor you should include the actual names of the team members.

5. Related Work

This section of the web page should contain links and brief descriptions of other related projects, patents and, research efforts.

6. Technical Details

A Functional and/or a Behavioral Decomposition of the design should be presented. If your project is hardware oriented. Then you should include a functional diagram and/or a detail schematic diagram of the design if at all possible. If it is software related source code and/or source code fragments can be included. A full technical description of the design should be viewable and presented on the web page so they are close to the diagrams or figures that they reference. If possible a picture or video of your prototype should be included.

7. Documentation

Where applicable, a concise User's Manuals of the final product should be written and be accessible from the website. In addition to instructions on how to use the product it should contain any safety warnings or cautions that one must observe when using this final product. File formats for this and other documentation should be adobe pdf or Microsoft word for this part. At the end of the course a web version of the final report should be posted. This report should be a subset of the final report to be handed in at the end of the class, removing any material that is specific to individual students or confidential in nature.

8. Cost and Schedule

Beginning February 25, this section should be updated weekly and compared to the original schedule. Costs should include cost of prototyping, labor costs, and testing since the beginning of the project. A cost estimate of large quantity production should also be included on projects that produce a deliverable that could be mass produced.

9. Observations, Start/Stop/Continue Analysis

There should be some observations at the completion of project. How well did it succeed. What were the short falls. What can be done in the future. During the scope of the project a weekly Start/Stop/Continue analysis should be performed that echoes what is submitted in the progress reports.

Remember, the webpage doesn't have to be 'fancy!' But it does need to effectively deliver a meaningful message about your project.