

# CS 497 - Senior Design Project II

## Final Presentation Guidelines

The final presentation is a public communication that allows a general technical audience to find out about your work. (That is, you can assume they are computing professionals, but not that they have any specific knowledge pertaining to your project.) It should generally follow the flow of your final report and include a demonstration where appropriate. The final presentation should be about 15-20 minutes in length, including the demonstration. Because it is short, the presentation should concentrate on “selling” your project.

Presentations should be made using appropriate presentation technology which may include, but is not limited to (in no particular order of preference): PowerPoint slides, HTML pages, overhead slides, photographic slides, and whiteboard or blackboard diagrams.

Below are short descriptions of the components of a presentation in terms of “slides,” but you are not required to use slides in your presentation. A general guideline is fewer than 1 slide per minute of presentation, so most presentations should have around 10-15 slides and no more than 20 slides.

### **Title Slide**

All presentations should start with a title slide. The title slide should indicate the name of the project, the project engineer(s), the University, the project sponsor, the project advisor, and the date.

### **Problem Statement**

State the problem and give the audience a good, overall “big picture” of the topics you will be covering on one or two slides. This **should not** be an outline of your presentation. It **should not** be a repeat of the full section from the report. It should answer one of two questions, “why should we care about this work?” or “how is this different than other similar work?”

### **Requirements and Specifications**

Briefly give the requirements and specifications for this project on one or two slides. This **should not** be a repeat of the full section from the report or from the proposal presentation. Just give enough information so that the audience can determine whether your project met its requirements and specifications.

### **Design Approach**

This section should be the bulk of your presentation. The goal is to show what you personally have accomplished in this project. Give an overview of the approach used to solve the problem.

Diagrams are often helpful. Make it clear what parts of the project were given or obtained from a third-party, e.g., frameworks, cloud storage, etc., and what you actually designed and coded.

The work done by you should be given in more detail, e.g., database table designs, UI designs, algorithms, test plans, etc. But remember that some of the audience will not be experts in the area of your project. Avoid code samples.

**Conclude this section with a brief description of any alternate designs that you considered, and why you chose the design you implemented.**

## **Results**

If you are giving a demonstration of an application, you probably only need one slide describing the result of your work. If your work is more research-oriented, you might include slides showing examples of the results.

## **Conclusion(s)**

Conclude with two slides: one that reiterates the significance of your project and future work, if any, and one that describes what you learned in this project. The audience should be sure that your project met its specifications.

## **Demonstration**

Demonstrate your project where appropriate. This may either be a separate section of your presentation, or integrated within your presentation. In either case, have it scripted and rehearsed, so that you remember to show all of the interesting components of your project.