

490 Final Project Presentation Grading Rubric

Presentation Performance Metrics – 50% of Grade

Characteristics	Unacceptable (0,1)	Acceptable (2,3)	Outstanding (4)	Score
Technical Content	Lack of Sufficient technical content and sophistication is apparent throughout the project or in several components of the project	Project Analyzes a sufficient amount of pertinent technical information in the development of a few feasible solutions to meet the project objective	Project analyzes a diverse and significant amount of pertinent technical information in the development of several feasible solutions to meet the project objective.	4
Logical Coherence and Development	The ideas in any one section are not logically connected; lack of transitions hinders understanding	Most ideas in every section are logically developed and directly linked to the main point of the section. Most ideas in every section are connected by transitions.	All ideas in every section are logically developed and directly linked to the main point of the section. Almost all ideas in every section are connected by transitions.	4
Oral Presentation Skills	Oral presentation skills exhibit at least one major problem in syntax, diction, tone, and non-verbal elements	Oral presentation skills exhibit clear and appropriate syntax, diction, tone, and non-verbal elements.	Oral presentation skills exhibit masterful syntax, diction, tone, and non-verbal elements that are appropriate for the topic and audience.	4
Project Thoroughness	The project is missing some major aspect needed for a satisfactory design of a software engineering project	The project has most of the requisite documentation and planning needed to successfully carry out a Hardware/Software project	The project exhibits creative thinking and planning. Nearly all potential circumstances and pitfalls have been accounted for.	4

Recommended Topics – (i.e. key points to address and cover) – 50% of Grade

- Project Mission and Goal, Product Specifications, Project Constraints, etc...
- Overall Functional Components needed to solve the individual and specific problems in the project.
 - Have all the foreseeable problems been identified and addressed adequately?
 - Are their missing elements?
- Hardware Microcontroller/FPGA Selection and Development Environment
 - What reasons caused you to choose your platform (debug considerations)
- Software Solutions
 - Appropriate techniques, filtering ADC values, State Machines, Control Loops, etc.
- Power Requirements and Solution
- User Interfaces / Human Machine Interfaces
- Does Hardware Block Diagram address everything?
- Mechanical Solution