

ELEC 3300 Project Grading Rubric

Project Demonstration: Max 32 marks

Project Presentation: Max 8 marks

Acknowledgment - This rubric is adopted and modified from the INQUIRY AND ANALYSIS VALUE RUBRIC by Association of American Colleges and Universities. Number in bracket shows the corresponding marks for that level of performance.

	Capstone	Milestones		Benchmark
	4	3	2	1
Project Complexity	The whole project consists of a complex hardware and software design. Careful hardware design and software design algorithm is being shown. (12)	Hardware consists of various kind of interface before going to the processor, with software controlling the other interfaces. (9)	Project hardware is a mix of analogue and digital signals, software part used all the features of the processor. (6)	The processor directly controls all the aspects of the hardware, simple controls are used in the software. (3)
Project Understanding	Clear understanding of the project. System is designed with justification and appropriate use of analog, digital signals and methodology. (10)	System is designed with appropriate use of analog, digital signals, and correct methodology. (6)	System is simply designed according to the LAB understanding. Cannot justify uses of analog or digital signals or methodology. (4)	Little understanding of the project. System is designed without justification of LAB knowledge or methodology. (2)
Project Originality	Application of labs together with extra circuits or software extended to creative design. (6)	Extended integration of lab materials with extra circuits or software. (4)	Project is an application of all the labs done before. (2)	Project is an application of two to three of the lab experiments. (1)
Completeness	The project can run smoothly without major error. (4)	The project can run with specified inputs. It encounters error with input that is not specified. (3)	The project can run, however, it encounters errors on specified input. (2)	The project cannot run, however, can show partial functionality with forced input with either hardware or software. (1)
Oral Presentation with PowerPoint	Presentation referenced to information or analysis that significantly supports the project work. (8)	Project presentation is clear and consistent with the supporting material. (6)	Fair description of project, still understandable, but is not often repeated and is not memorable. (4)	Project function be deduced, but is not explicitly stated in the presentation. (2)

Evaluators are encouraged to assign a zero to any work sample or collection of work that does not meet benchmark (cell one) level performance.