Project Title: _____   Student Name(s): _____

Elements	Needs Improvement	Competent	Very Competent	Outstanding
System Description - System architecture - Proposed solution ____ / 4	▪ System architecture is described vaguely. ▪ The proposed solution is insufficiently described. ▪ No justification of design choices.	▪ System architecture is described in sufficient detail. ▪ The proposed solution is sufficiently described. ▪ Little justification of design choices	▪ System architecture is described in very good detail. ▪ Proposed solution is very good and in described in a very good detail. ▪ Design choices and compromises are well discussed	▪ System architecture details are presented with great design consideration. ▪ The proposed solution is impressive, and it is thoroughly described. ▪ Design choices are well researched, practical, and well discussed.
	0 point	0.5-1.5 points	2-2.5 points	3 - 4 points
Testing and Results - Test results - Quality of results - Critical analysis ____ / 4	▪ No working simulation / prototype is shown. ▪ No interpretation of results is presented about design objectives. ▪ No critiques of the design in terms of original design objectives	▪ Results are presented. ▪ Prototype and/or computer simulation are shown. ▪ Some interpretation of results with regards to design objectives is presented. ▪ Pros and cons of the design are identified, and some recommendations are made.	▪ Good results are presented. ▪ Good Prototype and/or computer simulation are shown. ▪ Good interpretation of results with regards to design objectives is presented. ▪ Pros and cons of the design are clear identified, and good recommendations are made.	▪ Extensive results are presented. ▪ Impressive final products are shown. ▪ Excellent results are clearly interpreted in design objectives. ▪ Pros and cons of the design are clear studied, and interesting and innovative recommendations are made.
	0 point	0.5-1.5 points	2-2.5 points	3-4 points
Communication - Presentation style and delivery - Visual impact of slides ____ / 2	▪ Information is read from slides. ▪ Font size and style are inappropriate, too much, or irrelevant information in slides and/or unnecessary graphics.	▪ The pacing is sometimes too fast or too slow. ▪ Font size and style are appropriate, slides are made generally acceptable, most information is relevant, good quality graphics are presented.	▪ Pacing is good. ▪ Font size and style are appropriate, slides are made generally acceptable, most information is relevant, good quality graphics are presented.	▪ The presentation conveys a very clear message. ▪ Font size and style are excellent, slides are easily read, and graphics enhance understanding of the presentation. ▪ Has Pizzazz
	0 point	0.5 point	1 point	1.5-2 point

Mark: _____ /10

Elements	Needs Improvement	Competent	Very Competent	Outstanding
Individual Demo ____ / 4.0	▪ Simulation showing functionality of individual components shown. ▪ Signals are explained in some detail.	▪ Demo showing functionality of individual components shown. ▪ Functionality of components can be explained in some detail.	▪ Simulation showing full functionality is shown. ▪ Signals and states well explained	▪ Demo showing full functionality of project is shown. ▪ Board functionality explained during demo.
	0.0-0.5 point	0.5-2.5 point	2.5-3.0 point	3.0-4.0 point
Q & A ____ / 1.0	▪ Components of choice or simulation poorly explained. ▪ No justification for design choices.	▪ Components of choice or simulation are somewhat explained. ▪ Justification for design partially elaborated.	▪ Components of choice or simulation explained in good detail. ▪ Justification for design choices is mostly elaborated.	▪ Components of choice or simulation explained in great detail. ▪ Justification for design choices is well elaborated.
	0.0-0.25 points	0.25-0.5 points	0.5-0.75 points	0.75-1.0 points

Demonstration:

Student Name: _____ Task: _____ Mark: _____ /5

Student Name: _____ Task: _____ Mark: _____ /5