

ECED 4901 Senior year project II -- Final Report Rubric

Project Title: _____

Students: _____

Elements	Needs Improvement	Competent	Excellent
Project description - Problem statements - Objectives and deliverables	<ul style="list-style-type: none"> Insufficient level of detail leaving the reviewer having no clear understanding of the project problem/goal. Objectives and deliverables of the project are not clearly identified. The sponsor's expectations are not clearly stated. 	<ul style="list-style-type: none"> Problem and goal statements are described in adequate details enabling the reader to understand the project motivation. Objectives and deliverables of the project are stated. The sponsor's expectations are defined. 	<ul style="list-style-type: none"> Clear description of the project problem and goal is described in adequate details enabling the reader to understand the project motivation Objectives and deliverables of the project are clearly identified. The sponsor's expectations are thoroughly stated and described.
	1 point	3 points	5 points
Investigation of Relevant Literature	<ul style="list-style-type: none"> Limited references with opinion-based discussions are presented. Review of project concept and associated technologies are insufficient. 	<ul style="list-style-type: none"> In-depth analysis of project concept based on multiple literature sources is presented. Use of resources to select appropriate design approach is adequate. 	<ul style="list-style-type: none"> Comprehensive analysis of project concept based on technical publications is presented with a significant depth of understanding demonstrated. Use of resources to select the most appropriate design approach is excellent.
	0 point	2 points	4 points
System Description - system architecture - Proposed solution	<ul style="list-style-type: none"> System architecture is described vaguely and does not reflect a clear understanding of the objectives. Proposed solution is insufficiently described No detailed specifications are provided for the system and the sub-blocks. 	<ul style="list-style-type: none"> System architecture is described in sufficient detail and does reflect a clear understanding of the objectives. Proposed solution is sufficiently described. Detailed specifications are provided for the complete system and its sub-blocks 	<ul style="list-style-type: none"> System architecture details are presented with significant design considerations with in-depth understanding of the objectives. Proposed solution is described with comparisons with the alternatives. Complete technical specifications are provided for the system and its sub-blocks
	3 points	6 points	8 points
Project Planning - Work plan - Budget summary	<ul style="list-style-type: none"> Project schedule is not discussed. No budget is mentioned. 	<ul style="list-style-type: none"> Project schedule and budget are discussed although lacking in details. 	<ul style="list-style-type: none"> Project schedule is discussed with clear presentation of achievements. Budget is presented in detail.
	1 point	3 points	5 points

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Results and Testing - Testing of the design - Quality of results	<ul style="list-style-type: none"> ▪ Tests are not done or no sufficient results are presented. ▪ No interpretation of results is presented with regards to design objectives ▪ No justification is provided on the design based on the test results 	<ul style="list-style-type: none"> ▪ Tests are done without presenting specific procedures. ▪ Some interpretation of results are presented with regards to design objectives ▪ Limited justification is provided on the design based on the test results 	<ul style="list-style-type: none"> ▪ Test procedure are clearly planned, performed and discussed. ▪ Clearly interpret results are presented with regards to design objectives ▪ Justifications are provided on the design based on the test results
	3 points	6 points	8 points
Analysis - Critical analysis of the design and Recommendations - Revisiting and refining the design	<ul style="list-style-type: none"> ▪ No pros and cons of the design in terms of original design objectives are presented and no recommendations are made. ▪ No improvement for the design based on test results is proposed. 	<ul style="list-style-type: none"> ▪ Pros and cons of the design are identified and some recommendations are made. ▪ Use of test results to improve original design is shown. 	<ul style="list-style-type: none"> ▪ Pros and cons of the design are presented and interesting or innovative recommendations are made. ▪ Use of test results to makes substantial improvements of the original design is shown.
	3 points	5 points	7 points
Report Organization	<ul style="list-style-type: none"> ▪ Aspects of report are too elementary of too sophisticated for a reader. ▪ Graphs, diagrams and tables are difficult to read or not labeled. ▪ Frequent errors in spelling and grammar appear. 	<ul style="list-style-type: none"> ▪ Report is neatly written. ▪ Graphs, diagrams and tables are clear and labeled. ▪ Errors in spelling and grammar appear seldom. 	<ul style="list-style-type: none"> ▪ Writing style is consistent and professional. ▪ Graphs, diagrams and tables are accurately and neatly labeled ▪ No errors in spelling and grammar occur.
	3 points	6 points	8 points
Total	/45		

Note: A midpoint score may be assigned.