

ECE 4950 Project 4 – Customer Requirements and Final Design Parameters

Use the guidelines below to complete your report and add at the end of your report.

Group Member Last Names: _____

| Score | Pts | | Performance Indicators |
|-------|-----|--|------------------------|
| | 5 | General Format - Professional Looking Document/Preparation (whole document) a) Fonts, margins (11pt, times new roman, single spaced. 1" margins on all sides). b) Spelling and grammar are correct c) Layout of pictures – all figures need numbers and captions and must be referenced in the text d) Follows the page limitations below. e) References. Use IEEE reference format. f) This grading sheet is included as the final page. | g.1 |
| | 0 | Page 1: Title, Group Name, Group Members, and Date Executive Summary (1 concise, well-written paragraph) Provide an overview of this project. Briefly describe what you did and what you learned. | g.1 |
| | 5 | Page 2: Engineering Requirements (<1 page) Bulleted list of Final Design Engineering Requirements | e.1 |
| | 10 | Pages: 3-7: Design Details (<5 pages) Describe a system that can be built including System Architecture and System Integration based on the Engineering Requirements. Do not include data sheets or software code. | e.2 |
| | 10 | Page 8: Analysis of Final Prototype Performance (<1 page) Did it succeed or fail to meet customer requirements? What went wrong and what happened in the design process to allow this problem? Make a table of the customer requirements and address how well your design met these expectations. | e.3 e.4 i.1 |
| | 5 | Page 9: Project Schedule/Gantt Chart (<1 page) Create a schedule (Gantt chart) that shows the tasks and schedule for your project. Start from the very beginning of your project and extend to the end (completing final report and presentation). | k.2 |
| | | Page 10 This grading sheet is included as the final page. | |
| | 50 | Laboratory demonstration of your prototype (evaluated by instructor and TAs). Evaluator will manipulate the interface and evaluate how well the system provides the timing and display functions (i.e. how well does the closed loop control work). Is it well built? Neat wiring? (.6 * the prototype evaluation score) | g.2 |
| | 15 | Rating by reviewers during competition | g.2 |