

Project# _____ Semester _____

Final Report Evaluation Sheet

| Introduction: 5 points | Max Score | Min Score |
|---------------------------|---|--|
| Purpose | (1) – Clearly defined problem statement and solution present | (0) – Problem statement or solution are unclear or missing |
| Functionality | (1) – Detailed explanation of each high-level project functionality and how it relates to the overall purpose of the project | (0) – Unclear or missing justification of at least one project functionality |
| Subsystem Overview | (3) – Includes top-level diagram and description of all project subsystems and interconnects | (1) – At most one subsystem unclear or missing; block diagram unclear (0) – More than one subsystem unclear or missing; block diagram missing |

| Design: 9 points | Max Score | Min Score |
|---|--|---|
| Equations & Simulations | (1) – All relevant design equations and supporting simulations included. Results of simulations are interpreted correctly | (0) – At least one equation or simulation incorrect/missing |
| Design Alternatives | (2) – Discussion of design issues and inconsistencies, corrective actions taken, and overall results. If a design issue could not be resolved, a quantitative explanation is provided | (0) – Explanation of design alternatives and issues unclear or missing |
| Design Description & Justification | (3) – Complete modular design present. All design decisions justified through equations, simulation, or testing | (1) – Design is not modular; explanation and justification of design decisions unclear (0) – Missing/incorrect justification or design description |
| Subsystem Diagrams & Schematics | (3) – All subsystem diagrams and schematics included. All elements are clean and coherent | (1) – One subsystem element unclear or missing (0) – More than one subsystem element unclear or missing |

| Cost & Schedule: 2 points | Max Score | Min Score |
|---------------------------|--|---|
| Cost | (1) – All parts and required information included | (0) – Some parts or required information omitted |
| Schedule | (1) – Complete and specific schedule reflective of the work done throughout the semester. Schedule is broken down by week and team member | (0) – Lacks specificity or does not reflect the work done by each individual |

| Requirements & Verification: 8 points | Max Score | | Min Score |
|--|---|--|---|
| Completeness of Requirements | (2) – All necessary requirements included with reasonable tolerances | (1) – One requirement missing, unclear, or without justified tolerance | (0) – More than one requirement unclear or omitted |
| Appropriate Verification Procedures | (3) – Detailed, reproducible, and quantitative procedures for all requirements | (1) – One verification missing, non-procedural, or lacking quantitative metrics | (0) – More than one verification missing or unsatisfactory |
| Quantitative Results | (3) – Quantitative results for all requirements provided. Results are in line with verification procedures. If a requirement could not be met, explain why | (1) – At least one result unclear, missing, or non-quantitative. Missing explanations for failed requirements | (0) – More than one result omitted or unclear. |

| Conclusion: 6 points | Max Score | | Min Score |
|-----------------------------------|---|--|---|
| Accomplishments | (2) – Detailed description of project successes and final functionality | (1) – Unclear description of project successes and final functionality | (0) – Missing description of project successes and final functionality |
| Uncertainties | (2) – Quantitative discussion of unsatisfactory results. Explanation of all issues is clear, qualified, and supported by evidence | (1) – Unclear or missing justification of one project uncertainty. Discussion of unsatisfactory results not quantitative | (0) – Unclear or missing justification of more than one project uncertainty. Analysis is false or misleading |
| Future Work / Alternatives | (1) – Thorough discussion of future improvements to be made upon project. Suggestions for potential design alternatives are included | (0) – Missing discussion of future improvements or design alternatives | |
| Ethical Considerations | (1) – All aspects of the IEEE Code of Ethics are addressed. Requisite risk mitigation plans are discussed; evidence provided where appropriate | (0) – At least one ethical consideration missing or unclear. Risk mitigation plan missing or not satisfied where required | |

Total: _____/30