

FINAL DESIGN PROJECT REPORT

	Points Possible	Score	Exemplary	Developing	Beginning
Executive Summary	10		Provides a cogent, concise, & thorough overview of the project goal; description of the project and final design; performance of the project and the results of the design evaluation; and recommendations for modifications or continued work. Despite brief format, content is fluent. Summary does not exceed one page.	Overview is either missing some content or is too wordy and exceeds one page.	Overview lacks a thorough review of the design project. Summary is lacking in significant content, fluency, organization, or concise detail.
Introduction (includes problem statement and requirements)	10		Provides a thorough and concise introduction to the context, main goals of the design project, the general objectives posed by the problem and a full list of specifications to be met, including priorities. Incorporates all relevant information from PDR and CDR.	Provides a basic introduction to some or all of the following: context, main goals of the design project, the general objectives posed by the problem and full list of specifications to be met, including priorities. Lacks concise detail, or is missing an element.	Goals and objectives and/or specifications are incomplete. Lacks fluency, organization, and concise detail.
Detailed Design Description	30		Provides a comprehensive description of the full design; individual components, assembly, operation, & maintenance. Provides a clear, organized, and thoughtful analysis of the design process. Includes thorough detail on design requirements & analysis of design ideas (including those that were discarded). Includes detailed and professional-looking engineering drawings that are integrated into the discussion in the text.	Discussion describes most aspects of the design process. Includes appropriate engineering drawings that lack some detail &/or are not appropriately referred to in the text.	Provides an incomplete &/or unorganized description of the design process that fails to give the reader a conceptual understanding of the team's rationale on design decisions. Engineering drawings, if included, are sloppy and lacking in detail.
Project Evaluation	15		Provides a detailed description of the testing of the design project that includes a well-analyzed discussion of the tests performed for each performance goal, the impact of the results on the design process, & recommendations and limitations. Results are organized and presented in tables and figures and are appropriately referenced in the text.	Describes most aspects of the testing of each project performance goal.	Provides an incomplete &/or unorganized description of the testing of the project's performance goals.
Cost Analysis And Parts List	15		Using a well-organized table, provide detailed source and cost information. Include total expenditure, & the team's budget performance. Includes thoughtful analysis of cost breakdown.	Describes most aspects of the sources & costs for the design components.	Comparison of the design components' options and costs is poorly organized and lacks sufficient detail (e.g., just gives a cost summary).
Conclusions & Recommendations	10		Provides a clear, organized, & concise summary that reviews the outcomes of the design project. Conclusions and recommendations are thoughtful, positive, and comprehensive.	Summary is either wordy with too much information or does not completely review project.	Summary provides insufficient coverage of the project and outcomes. It is lacking in fluency and organization.
Spelling & Grammar	5		Correct spelling and grammar are pervasive.	Contains several spelling and grammatical errors.	Contains frequent spelling and grammatical errors.
Prose	5		Document is fluid, coherent, clear, and logical in thought & organization. Paragraphs are well developed and contain transitions. Demonstrates mature, professional prose and word choice.	Document is somewhat fluent and coherent, although it contains logical inconsistencies in either thought or organization.	Document is wordy and vague. It lacks coherence and logic in thought and organization. Writing is disjointed and lacks transitions.
Total:	100				