Final Design Review Rubric

(Rev. 2023-08-27)

Project/Team Name*: _____* **Reviewer:** _____ **Date**: _____

Criteria	Exceeds Expectations 93-100 (A), 90-92 (A-)	Matches Expectations 87-89 (B+), 83-86 (B), 80-82 (B-)	Fair 77-79 (C+), 73-76 (C), 70-72 (C-)	Needs Improvements 67-69 (D+), 65-66 (D)	Unacceptable Below 65 (F)	Raw Numerical Score	Weight	Weighted (Click Ctrl-A and Press F9)
Introduction and Background - *Customer, Needs, Benefits, & Project History*	The background information is very clear.	The background information is mostly clear.	The background information is somewhat clear.	The background information is unclear.	Insufficient background information presented		0.05	
Formulating an engineering problem - *based upon customer needs and requirements*	It was very clear what the team planned to solve and why.	It was mostly clear what the team planned to solve and why.	It was somewhat clear what the team planned to solve and why.	It was unclear what the team planned to solve and why.	It was not conveyed what the team planned to solve and why.		0.05	
Identification of design requirements, *specifications, and constraints*	The requirements, specifications and constraints were very clear.	The requirements, specifications and constraints were mostly clear.	The requirements, specifications and constraints were somewhat clear.	The requirements and justification were unclear.	The requirements and justification were not presented.		0.10	
Application of appropriate and contemporary design methods - *Developing multiple concepts*	Solution and approach demonstrated application of the engineering design process.	Many artifacts of the engineering design process were applied.	Some artifacts of the engineering design process were applied	Few artifacts of the engineering design process were applied.	Solution & approach did not follow the engineering design process.		0.10	
Demonstration of the proposed solution, - **prototype** - *simulation, etc.*	The demonstration clearly showed that the team solved the engineering problem.	The demonstration showed that the team solved many aspects of the engineering problem.	The demonstration showed that the team solved some aspects of the engineering problem.	The demonstration showed that the team solved few aspects of the engineering problem.	The demonstration failed to show that the team solved the engineering problem.		0.30	
Evaluation of the proposed solution - *Validation* - *Verification* - *Performance* - *Quality* - *Appropriate methods*	The proposed solution was fully and systematically tested/evaluated using appropriate methods.	Many features of the proposed solution were systematically tested/evaluated using appropriate methods.	Some features of the proposed solution were tested/evaluated using appropriate methods.	Few features of the proposed solution were tested/evaluated. Methods used were not appropriate.	The proposed solution was not tested, and its performance was not evaluated.		0.20	
Overall Communication - *Completeness* - *Correctness* - *Clarity* - *Conciseness*	Clear, concise, accurate, and complete. It was very easy to understand.	Mostly clear, accurate, and complete. It was easy to understand.	Usually clear and accurate. It was sometimes difficult to understand.	Frequently unclear, inaccurate, and/or incomplete. It was difficult to understand.	Unclear, inaccurate, and/or incomplete. It was very difficult to understand and follow.		0.20	
						Total	1.00	

Please provide comments below: *(If you need more space, please use the backside):*

What aspects of the project were impressive? (Required)

What were possible opportunities for improvement?(Required)

Thank you very much for providing your feedback. Please email the completed form to mastev@rpi.edu.