

IET Final Project Rubric

The final project will include various elements of what you have learned and applied during this semester. Each specific requirement for the final project will be different per class, but the general requirements listed below are universal. The project is meant to share an area of learning and display skills you have acquired throughout the course. Use this guideline to develop your project within the requirements of your class. You are required to take a holistic approach in developing a relationship to electrical and mechanical skills to demonstrate theoretical and hands-on knowledge and fabrication methods.

		1	2	3	4	Score
Problem Statement	A problem is introduced that requires solving or a condition needs improvement.	Problem statement is presented.	Problem statement includes purpose and general overview of problem and potential solution.	Problem statement clearly identifies the difference between the current state of the problem and the desired result.	Add to previous, be creative.	
Research	Resources, articles, tutorials and datasheets/manuals to help build an understanding of the scope of the problem statement.	Research is minimal.	Links and datasheets are presented.	Research provides a link to the thought process including proper APA citations, listing within documentation and technical documents and articles pertaining to solving the problem.	Add to previous, be creative.	
Design	The CAD, EDA/Schematics, CAM, Program, Sketches/Notes associated with the building of the prototype.	Design files attached.	Design files are complete including each area of the project that meet specific class requirements.	Design files are organized, complete, and include descriptions as well as revisions. Design exceeds class requirements.	Add to previous, be creative.	
Documentation	A concise and complete mixed media document, ranging from start to finish of the project explaining processes and reflections throughout.	Documentation provides brief overview of the project.	Documentation provides overview of the project that includes some pictures of design process.	Documentation includes all necessary elements from previous steps including reflections and steps through iterations of the project. Pictures of designs and build included.	Add to previous, be creative.	
Presentation ¹	Professional presentation that outlines an area of the project that provided the most learning and reflection to accomplish the scope of the project. ²	Presentation provides a short overview of problem statement and solution.	Presentation of completed, working prototype with concise overview of pertinent elements of documentation.	Presentation dives into area of deep learning and reflection of skill/process using working prototype and elements of documentation.	Add to previous, be creative.	
TOTAL						/20

1 – If a conflict is present at time of presentation, professor must be notified within 7 days of the presentation to provide an alternative assignment. This may include video presentation, face-to-face, presentation at another professional venue, or what the professor can accommodate.

2 – Presentations for this project will be developed for an event on December 11, 2019 in the form of a short talk that provides a deep dive of a learning area of the project OR a table display with handout/poster that describes the scope of the project where student will describe their overall project to visitors.