

ME403: Assignment 6

Project Validation and Final Report

Assignment Overview:

1. The first part of this assignment is established to structure the course and allow you the time to work on your design project. You should plan to spend 45 hours on this assessment. However, students often find it necessary to devote 100 to 150 hours for its completion. In this time, you should develop a functional prototype or intricate testable simulation which allows you to validate your design choice. Depending on the complexity of your design, you may have the opportunity to make alterations to your design and iterate on your prototyping and validation. At the end of the project, you should be able to prescribe a path forward for implementing your design into circulation. This will include cost structure, materials and processing decisions, and suggestions as to further growth of the design.
2. The second part of the assignment is creating a final report. This will include everything from your midstream report, while also detailing your prototype development and the results of your validation testing. It will also include the final design conclusions and path forward suggestions to commercialization or final implementation.
3. The third part of the assignment is creating a design presentation which allows you to present your design project to an audience orally.

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