

(30 pts) Approx. 3 days

The second part of our project requires that your team think and work together to combine the best of your ideas into one workable solution. Your solution should fit the criteria and constraints that you outlined in your design brief. Next, you'll write a description of your product and make a nice concept sketch. Finally, your group will need to assign 5 short essay topics to your team members to write. Some team members may need to write more than one. Have your team members edit your responses for grammar and clarity

1. **Describe Your Solution** – agree with your group about what your solution is. Then write a 5-sentence explanation of the solution including what it is, how it solves the problem, and what the potential positives and negatives are.
2. **Sketch Your Solution** – take time to make a nice concept sketch (Multiview, isometric, or perspective) of your solution. Be sure to include labels and approximate dimensions in your sketch.
3. **AIC Mini-Essays** – Distribute the 5 essay topics below to your team. Some people may have to write more than one. Write a clear essay between 1300 and 1500 *characters* fully answering the question.
4. **Unit 1 Quiz** – Finally, you need to take the Unit 1 Quiz on the Engineering Design Process **before** August 30!

Mini-Essay #1	Mini-Essay #2	Mini-Essay #3	Mini-Essay #4	Mini-Essay #5
Give a general description of your idea. (Pictures can be uploaded as well)	Who does your idea help and how does it help them? Explain how your idea solves a problem or addresses an unmet need.	How is your idea original? What makes your idea new and exciting? What has research shown about similar ideas?	How would you make your idea into a reality? What are the next steps for your idea to be taken to market for people to buy/use?	How will this idea be profitable? How is your idea financially sound? What economic value will your idea create?

****Plagiarized essays will earn you a zero (0) on the entire assignment****

Part 2: Tasks	5 points	4-3 points	2-1-0 points
 Describe Your Solution	+ Write at least 5 sentences in your engineering notebook describing your team's solution. + Also describe the possible positives/negatives	- Description is less than 5 full sentences - Missing positives or negatives of the solution idea	- Fewer than 3 sentences in your description - Missing positives and negatives
 Sketch Your Solution	+ Sketch is carefully done + Sketch includes labels + Sketch includes proper dimensions	- Sketch is missing 1 or 2 of the components needed	- Sketch is missing 3 or more items from what is needed
 AIC Mini-Essays	+ Your assigned Mini-Essay(s) are within 90% of the required length + Your assigned Mini-Essay(s) completely answers the question	- Your Mini-Essay is too short/long - Your Mini-Essay(s) do not answer all prompts	- Your Mini-Essay is significantly too short - Your Mini-Essay(s) do not answer the question
 AIC Mini-Essays Continued	+ Your assigned Mini-Essay(s) are reviewed and edited by a team member + Your assigned Mini-Essay(s) are well-written and complete	- Your Mini-Essay is not edited by a team member - Your Mini-Essay is not well written	- Your Mini-Essay is very poorly written *Plagiarized Essays will earn you a 0 on the entire assignment
	10 points	N/A	0 points
 Unit 1 Quiz	+ Up to 10 points – your grade is based on how many questions you get correct		- You did not take the Unit 1 quiz before August 30

