

# **ELECOMP Capstone Design Program**

**Spring 2024 Semester**

**Major Progress Report (MPR#3) Format**

**Due Date: Sunday, March 3rd, 2024, 8-9pm**

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**MPR#3 should contain work done during the Winter break and the Spring Semester ONLY. Send to all recipients, as in previous WPRs.**

**Subject Line: ELECOMP Capstone: MPR#3: Team Name & Brief Title**

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**Cover page\*\***

**Table of Contents (with page numbers)**

**Acknowledgements**

**Project Motivation (Identifying Opportunities)**

**Functional Specifications in ABO (updated, if necessary-Developing Requirements)**

**Key Design Trade-offs Made in the Functional Specifications**

**Best Anticipated Outcome of the Project by April 14th, 2024**

**Updated doc [BESTRACK#6](#)**

**Schedule Assessment (if behind, provide details to get back on schedule)**

**Confidence Level to achieve the Anticipated Best Outcome (ABO) by April 14<sup>th</sup>.**

**(justify appropriately, using specific references from previous work on the project)**

**Risk Evaluation to achieve the ABO (updated, as it stands now)**

**My Individual Technical Accomplishments by “Designer 1 Name” (restrict to 1 page per member; bullet form, with page numbers for the details in the section below: “Details of Results and Discussion”)**

**My Remaining Technical Accomplishments by “Designer 1 Name” (provide details and confirm timeline until 04/14/24, as provided in [BESTRACK #6](#) above.)**

**[Repeat above 2 items for each designer in the team.](#)**

**Details of Results and Discussion: free to choose your own appropriate headings after discussion with your Technical Directors; make sure you give them **all the details** they need.**

**(Note: You must justify and discuss your accomplishment in DETAIL; 20% allocation of grade for Individual Technical Contributions; See the Grading Breakdown for [Guidance to the Technical Directors](#) to assign a score out of 20%)**

**\*\* Download pptx template from the website**

**References**

**Appendix A in Major Progress Report #3 (MPR#3)**

Final evaluations for ABET Outcomes 2 and 4.

**These 4 Outcomes are Engineering related and covered by ALL teams in the MPR#3 above.**

1. Identifying Opportunities (Project Motivation)
2. Developing Requirements (Functional Specifications in the ABO)
3. Making Design Trade-offs
4. Risk Evaluation to achieve the ABO

**These 7 Outcomes are non-Engineering related and must be discussed by ALL teams in this Appendix.**

5. Economic Implications and Impact
6. Local & Global Implications and Impact
7. Safety Considerations (health and welfare)
8. Environmental Implications and Impact
9. Ethical Implications and Impact.
10. Cultural Implications and Impact
11. Social & Societal Implications and Impact

**SEND APPENDIX A AS AN ATTACHMENT TO GOOGLE FORM, TO BE SENT BY JACK MURPHY; ONE DESIGNER IN A TEAM. YOU MUST USE THE TEMPLATE BELOW**

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## APPENDIX A- TEMPLATE FOR COMPLETION

### **Final evaluations for ABET Outcomes 2 and 4.**

**These 4 Aspects are Engineering related and are covered by ALL teams in the MPR#3 above.**

- 1. Identifying Opportunities (Project Motivation)**  
*(copy and paste from MPR#3 above)*
- 2. Developing Requirements (Functional Specifications in the ABO)**  
*(copy and paste from MPR#3 above)*
- 3. Making Design Trade-offs**  
*(copy and paste from MPR#3 above)*
- 4. Risk Evaluation to achieve the ABO**  
*(copy and paste from MPR#3 above)*

**These 7 Aspects are non-Engineering related and MUST be discussed by ALL teams in this Appendix. The quality of the discussions will determine the score for each designer on the team.**

- 5. Economic Implications and Impact** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*
- 6. Local & Global Implications and Impact** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*
- 7. Safety Considerations (health and welfare)** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*
- 8. Environmental Implications and Impact** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*
- 9. Ethical Implications and Impact.** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*
- 10. Cultural Implications and Impact.** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*
- 11. Social & Societal Implications and Impact.** *(copy & paste from MPR#2 and/or MPR#3; and/or Discuss further with a paragraph. If **not** applicable to your project, you must justify **why**, with a paragraph)*

**Further Instructions: Save this Appendix A separately, and label it as a pdf document: "Team Name"-ABET-2-4-SPR24 and upload to google form sent by Jack.**