

ELECOMP Capstone Design Program

Spring 2023 Semester

Major Progress Report (MPR#3) Format

Due Date: Sunday, March 5th, 2023, 8-9pm

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

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, 2023

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 14th.

(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 04/14/23, 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

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-SPR23 and upload to google form sent by Jack.