**Team: P21100 Engineer: Samuel Shelmidine**

**What were the outcomes of the prior phase?**

1. What did I plan to do?
   1. Research prior celestial body and earth landing system designs (9/19/20, 10 hours)
   2. Complete ASU Module for PSYCHE and Team Building (9/19/20, 20 hours)
   3. Complete misc. MSD Modules (2 hours/week)
   4. Attend 1:1 meeting with the customer(15 minutes, 9/10/20)
   5. Attend customer meetings (30 minutes/bi-weekly)
   6. Continue to update confluence(1 hour/week)
   7. Generate unique landing design concepts(15 hours,9/21/20)
2. What did I actually do?
   1. All of the above except for completing the ASU Modules. I am most of the way through one of the ASU Modules. I also attended some of the ASU NASA webinars.
3. What did I learn? How were plan and reality different?
   1. I spent the majority of my time in the concept generation stage as well as on the past mission research. I learned that it is important when setting goals to also budget additional time for unforeseen tasks. This way, goals can be met and even exceeded.

**Team level goal for next phase**

**As a team, we plan to each perform research into the feasibility of out selected initial design concepts, and then choose or modify a true design from our morphological chart. We will also begin collecting component specs and refining the detail in the system and subsystem design. As time allows, we will also begin with sketches of the chosen design to gain a better grasp of the design being pursued.**

**What do I plan on doing to ensure that my team has a successful review at the end of the next phase?**

1. Complete ASU Teamwork course (20 hours, complete by 11/20)
2. Finish ASU PSYCHE Module (2 hours, complete by 10/15)
3. Perform feasibility research on landing equipment, ESD protection and payload protection subfunctions (10 hours, complete by 10/16)
4. Add additional detail to design system diagram(5 hours, due 11/1)
5. Select Design (1 hour, complete by 10/21)

**What is standing in my way of meeting my next phase goals?**

Time commitments to other courses as well as time devoted to full-time job searching