**Team:** P21100 **Engineer:** Vishvam Pipaliya

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

1. **What did I plan to do?**
   * Research prior missions
   * Create feasibility Plan
   * Research and establish standards to follow
   * Complete ASU training course
   * Update customer and engineering requirements
   * Create design concepts
   * Update project plan and risks
2. **What did I actually do?**
   * I was successfully able to complete all of the tasks mentioned above for this phase.
3. **What did I learn? How were plan and reality different?**
   * This phase focused a lot more on individual research. I gained in-depth understanding of the NASA Sky Crane landing system that was used for Curiosity mission. I understood the advantages and disadvantages of this technology. Furthermore, completing the ASU course helped me understand the process and lifetime of space missions. It provided details about Psyche and it’s first mission that will launch next year. Most of things in this phase went according to our plans. I was able to manage the work load better in this phase with more strategic planning of my schedule and tasks I undertake.

**Team level goal for next phase**

Our major goal for the next phase is to have a final design for the landing system. We have narrowed down our focus to releasing payload and protecting the payload.

* Determine final design for landing system
* Carry out additional research on system components
* Create preliminary sketches of our design

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

1. Continue to update project plan and Gantt chart (30 minutes per week / every Friday)
2. Continue to update risk register
3. Attend Psyche Webinars
4. Collaborate with the team to select final landing system design
5. Select one or more components and carry out in-depth research for our final design

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

I do not have any major roadblocks for this phase.