

**Team: P20652      Engineer: Seth Deane**

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

1. What did I plan to do?
  - a. I planned to update EDGE with all completed work
  - b. I planned to take some notes for record keeping purposes.
  - c. Assist with locating location for concrete testing.
    - i. Set up meeting with Theresa in SOIL lab.
2. What did I actually do?
  - a. Recognized misdirection in morphological and pugh charts.
  - b. Led a design overhaul of the morphological and pugh charts.
  - c. Uploaded all EDGE material in preparation for presentation.
  - d. Attended meeting Theresa in SOIL lab.
3. What did I learn? How were plan and reality different?
  - a. I learned a lot about how our team operates.
    - i. We like to dive right in without exploring all the possibilities. This potentially leads us down the wrong path early on. We need to think smarter not harder.
  - b. I learned that there are a lot of professionals at RIT and in the area who are willing to assist our team.
  - c. I learned that the CE portion of this project will be primarily handled by an already existing product (DUET II). I will have to be helpful in other ways.

**Team level goal for next phase**

Complete, document, and prototype subsystem design (rev 1). Further revisions are stretch goals. Design includes mechanical/electrical components, baseline mixture ratios and mixing procedures, software workflow, firmware and microcontroller selection.

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

1. I would like to contribute more to the computer team documents and decisions.
2. I would like to have some presentable proof-of-concept from the software perspective.

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

Getting parts to begin prototyping (Specifically the DuetII board). I would still like to nail down a design concept (gantry style).