

Team: P20762

Engineer: Armand Laury

What were the outcomes of the prior phase?

1. What did I plan to do?

Maintain EDGE and the SVN repo by updating and uploading all of the documentation/deliverables. Begin subsystem Test Plan 1. Assist with any building/maintenance necessary.

2. What did I actually do?

Updated EDGE with all of the necessary documentation and deliverables. Implemented Test Plan 1 by using the sensor system to collect water data across two meeting days. Assessed how well the sensor system performed in recording and displaying data. Analyzed the data recorded to see if it made sense, and to see how it compared to expected values for water parameters. Miscellaneous tasks included helping build and fill up/empty the main tub (and clean spilt water too).

3. What did I learn? How were plans and reality different?

Plans were very close to reality this phase. I did everything I planned to do. I could have put more time into the technical paper/Imagine RIT poster however. Plan is to finish my work for them this phase.

Team level goal for the next phase

- The full architecture of the system will be complete. Plants and water will also be added to the system.
- Nitrate cycling will have progressed to the tank and the effectiveness of our planned aeration method with the buckets will be tested in relation to how well it maintains optimal water conditions.
- Sensor testing will be expanded to the tank to ensure appropriate O2 levels are being maintained.
- User interface testing will commence to confirm the NIOSH lifting equation as well as confirm our farmer interaction per day requirement of only 30 minutes.
- Deliverables will continue to be updated as progress continues. This includes: Setup/Instruction guide, Poster and Imagine Display, Technical Paper, Lightning Talk, Informational Workshop.

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

1. Keep EDGE and the SVN repo up to date with the latest versions of documentation and deliverables. Utilization of EDGE Tracker(s) may be necessary, and updating it being a requirement whenever progress is made. (1 hour, repeating)
2. Ensure all documentation and deliverables are properly uploaded EDGE. This includes verification of formatting, version, location on the site, etc. (Ongoing)

3. Finish writing my parts of the technical paper/Imagine RIT poster/Invention proposals (2 hours)
4. Continue sensor system considering alternatives (1 hour, repeating)
5. Continue using sensor system to test water (2 hours, repeating)

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

-Spring break

-Poor communication

-Work from other classes

-LoL and LoR