EE 491 WEEKLY REPORT 6   *Date: 3-6-2017*

Group number: 17

Project title: Irrigation Monitoring App

Client &/Advisor: Dr. Ajay Nair and Dr. Manimaran Govindarasu

Team Members/Role:

Team Leader: Sierra Lucht

Team Communication Leader: Landon Woerdeman

Webmaster: Sam Jackson

Key-Idea-Holder: Daniel Albers

Key-Idea-Holder: Seth Lightfoot

o **Weekly Summary (Short summary about what you did this week)**

      This week we worked on creating our design document. Based on feedback from our advisor and from the presentation in class, we made a rough outline of what to include. Next, we spent several hours brainstorming a better solution, as our previous sensor solution had a large issue with battery life. With this new plan in place, we began creating diagrams and writing up solutions in our design document.

o **Past week accomplishments (please describe as what was done, by whom, when or collectively as a group)**
- Daniel Albers: Aided in design document, found hardware for new setup
- Sam Jackson: Aided in design document, worked to solidify project architecture and design
- Seth Lightfoot: Was out of town for majority of the week, caught up on design plan
- Sierra Lucht: Rough draft of design document, worked to solidify project architecture/design.
- Landon Woerdeman: Met as a team to discuss and work on design document. Created mockup UI and software UML diagram for the design document

o **Pending issues (if applicable)**
  - Daniel Albers: N/A
  - Sam Jackson: N/A
  - Seth Lightfoot: N/A
  - Sierra Lucht: N/A
  - Landon Woerdeman: N/A

o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Daniel Albers	Hardware List and Mesh-network approach design	4	22
Sam Jackson	Worked on Design Doc and assisted Daniel	2	12
Seth Lightfoot	Was out of town, worked to understand our design plan	1	13
Sierra Lucht	Worked on design document outline and diagrams.	4	16
Landon Woerdeman	Mockup UI and UML diagram sections	4	15

o **Comments and extended discussion**

We're ready to buy some hardware, how do we go about doing this?

o **Plan for coming week (please describe as what, who, when)**
  - Daniel Albers: Order hardware, get concrete idea of sensor to base station communication.
  - Sam Jackson: Help complete design document, begin website, and assist with other planning.
  - Seth Lightfoot: Play a bit of catch up and help flesh out final design ideas
  - Sierra Lucht: Complete design document draft for submission.
  - Landon Woerdeman: Finish up design document by filling in missing sections. Start working on the website, mainly just creating the pages and uploading our documents

o **Summary of weekly advisor meeting (if applicable/optional)**

This week, we met with only our advisor to discuss work on the design document. He provided a rough outline of what needs to be in the document, and gave us some guidance based on previous projects on the senior design website. With this information, as well as what we discussed in lecture, we were able to create a rough draft of the design document for review.