

**Group number: dec1717**

**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**

This week, we finished fixing up our second prototype for testing. We added the last piece of hardware, and updated the software to accommodate this change, as well as for efficiency. We then worked to coordinate the second round of testing, finding a common time that we could meet to place this prototype in the greenhouse. All through this process, we updated our project plan and design document based on these changes for our final submission and worked on our final presentation

**o Past week accomplishments**

- Daniel Albers: Got new head node hardware, started developing
- Sam Jackson: Conferred with Daniel about the sensor and base station hardware
- Seth Lightfoot: started to work on presentation
- Sierra Lucht: Finalized Project Plan and Design Document, worked on presentation
- Landon Woerdeman: Continued work on displaying bluetooth devices in the nearby vicinity

**o Pending issues**

- Daniel Albers: N/A
- Sam Jackson: N/A
- Seth Lightfoot: N/A
- Sierra Lucht: N/A
- Landon Woerdeman: N/A

**o Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Daniel Albers	Tested and prepped for 2nd round of testing	2	47
Sam Jackson	Conferred with Daniel about the sensor and base station hardware	2	22
Seth Lightfoot	Started to work with Sierra on presentation	2	24
Sierra Lucht	Updated documents and presentation	2	28
Landon Woerdeman	Worked on Displaying Bluetooth Devices	2	25

**o Comments and extended discussion**

**o Plan for coming week**

- Daniel Albers: Get bluetooth started on new head node
- Sam Jackson: Assist either Daniel or Landon
- Seth Lightfoot: Work with Sierra more to finalize presentation
- Sierra Lucht: Finalize presentation slide show
- Landon Woerdeman: Finish up displaying BT devices, and establish a connection with our soil moisture monitors

**o Summary of weekly advisor meeting**

We were unable to meet with our adviser this week.