

**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**

Having completed the construction of the hardware last week, we moved onto the software this week. Based on our new prototype, we had to rewrite sections of the code to take into account the base station and two test nodes. After completing the code, we contacted the client to again get into the greenhouse for testing.

### **o Past week accomplishments**

- Daniel Albers: Helped Debug New Code
- Sam Jackson: Wrote new code for head node; light research on android development
- Seth Lightfoot: Looked at prototype code
- Sierra Lucht: Updated Design Document with new Prototype plans
- Landon Woerdeman: Worked on getting bluetooth working on iOS

### **o Pending issues**

- Daniel Albers: No update on hardware order requested Thursday(4/30).
- 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 New Code For Head node	2	45
Sam Jackson	Wrote new code for head node; light research on android developent	3	20
Seth Lightfoot	looked into prototype code	1	22
Sierra Lucht	Updated Design Document	2	26
Landon Woerdeman	Bluetooth iOS Research & Development	3	23

**o Comments and extended discussion**

**o Plan for coming week**

- Daniel Albers: Hopefully get new head node hardware in, solder and program, begin bluetooth
- Sam Jackson: Actually break ground on android application
- Seth Lightfoot: Continue support of prototype software
- Sierra Lucht: Update design document and project plan for final submission.
- Landon Woerdeman: Continue work on bluetooth for iOS

**o Summary of weekly advisor meeting**

We were unable to meet with our advisor this week.