EE 491 WEEKLY REPORT 3   *Date: 2-13-2017*

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 met with our advisor to review what needs to go in the project plan. We discussed all of the different components, as well as how they applied to our project. After the meeting, we began working on the project plan. This involved additional research, a mock up, and use cases and constraints to better nail down how we plan to proceed with our irrigation monitoring app.

o **Past week accomplishments (please describe as what was done, by whom, when or collectively as a group)**
- Daniel Albers: Researched bluetooth SoC, project plan work
- Sam Jackson: Researched the mobile development platform Flutter.
- Seth Lightfoot: Further developed ideas on project approach and began work to articulate that in project plan
- Sierra Lucht: Continued research into various technologies available, while beginning to work on the project plan. Outlined the project plan, then filled in gaps.
- Landon Woerdeman: Started use case scenarios of project plan, discussed my

wireless communication research with the team. Chose bluetooth low energy as primary medium for communication.

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	Bluetooth SoC Research	3	9
Sam Jackson	More mobile development platform research	2	5
Seth Lightfoot	More research, contributed to project plan	2	6
Sierra Lucht	Project Plan Outline	3	6
Landon Woerdeman	Use case scenarios of project plan	2	6

o **Comments and extended discussion**

o **Plan for coming week (please describe as what, who, when)**
  ● Daniel Albers: Research how communication between Bluetooth Soc and application will work
  ● Sam Jackson: Research bluetooth interactivity in mobile environments

- Seth Lightfoot: Based on feedback from advisor meeting, amend and further develop project plan
- Sierra Lucht: Continue to develop the project plan based on the suggestions provided by our advisor in our upcoming meeting.
- Landon Woerdeman: Work on project plan

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

This week, we met with just our advisor, and not our client for this first time. He explained many of the details of the project plan to us, and how they applied to our project. We were then able to ask questions to solidify our understanding of how to proceed. With the tips he provided, we created the first draft of our project plan.

Grading criteria

Each weekly report is worth 10 points. Scores will be awarded as follows:
- **8 – 10**: Progress for your project seems to be suitable. Documentation and hours reported by team members are adequate.
- **6 – 8**: There is scope of improvement both in your report and your project progress. Can consult with instructor/TA after class for further inputs.
- **< 6**: Please talk to instructors/TA after class hours about any difficulties that you/your team is facing.