
EE 492 Weekly Report (DEC15-19)

Week 7

Project Title: Efficient Measurement of Soil Microtopography to Aid the Verification of European Space Agency and NASA Satellite Observations of Soil Moisture

Advisors: Brian Hornbuckle, ISU Agronomy and ECpE; Josh Bertram, Collaborator Instructor

Client: Brian Hornbuckle, ISU Agronomy and ECpE

Members (roles): Brant Walsh (Key concept Holder, Team communication leader), Dillon McDowell (Team Webmaster), Yan Yao Chan (Team Leader)

Weekly Summary

The group had a meeting with the collaborator instructor regarding the project progress.

Meeting notes:

10/07 Group Meeting

Duration: 55 minutes

Members Present: Brant Walsh, Yan Yao Chan

Purpose and Goals: To work on the potential power supply for the project.

Achievements: The group managed to test several potential build and researched on potential power sources available online.

10/08 Group Meeting with Josh Bertram

Duration: 50 minutes

Members Present: All

Purpose and Goals: To discuss the progress on the senior design project.

Achievements: Each group member is briefed similar new tasks to be worked on throughout the entire week.

Pending issues

The group has yet to figure out which power supply to be used despite having several options available.

Plans for next week

To work on rewiring small scale electronics to ensure that it is applicable since it is likely that the same will be done with the Kinect. The power options will also be explored.

Individual Contributions for this week

Brant Walsh (1 hour 45 minutes) – Worked on the potential power supply and attended the meeting with the collaborator instructor.

Dillon McDowell (50 minutes) – Attended the meeting with the collaborator instructor.

Yan Yao Chan (3 hours 20 minutes) – Worked on the potential power supply and attended the meeting with the collaborator instructor. Completed the weekly report.

Total contributions for the project

Brant Walsh (8 hours 40 minutes)

Dillon McDowell (12 hours 10 minutes)

Yan Yao Chan (12 hours 55 minutes)