
EE 491 Weekly Report (DEC15-19)

Week 8

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

Advisor: Brian Hornbuckle **Client:** Brian Hornbuckle, ISU Agronomy and ECpE

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

Weekly Summary

In the eighth week, we resubmitted the bill of materials several times and worked on the design document.

Meeting notes:

3/10 Group Meeting

Duration: 1 hour

Members Present: All

Purpose and Goals: To discuss about the bill of materials with our course instructor and to discuss about further plan once the hardware parts are delivered.

Achievements: The group learned about networking in class session and filled out a worksheet on ethics.

3/10 Group Meeting with Dr. Hornbuckle

Duration: 20 minutes

Members Present: All

Purpose and Goals: To update our client/advisor about our current progress, especially on the bill of materials.

Achievements: The group and Dr. Hornbuckle brainstormed several ideas that can help us on the design plan.

3/12 Group Meeting

Duration:

Brant Walsh (2 hours 20 minutes)

Dillon McDowell (2 hours 30 minutes)

Yan Yao Chan (2 hours 30 minutes)

Members Present: All

Purpose and Goals: To work on the design document.

Achievements: The group completed the design document.

Pending issues

Despite sending the bill of materials three times, we still do not have our required hardware parts delivered.

Plans for next week

To wait for the bill of materials to be accessed by our course instructor and for the hardware parts to be delivered over spring break.

Individual Contributions for this week

Brant Walsh (3 hours 40 minutes) – Attended the weekly class session and group meeting. Completed the design document.

Dillon McDowell (4 hours 20 minutes) – Attended the weekly class session and group meeting. Initiated the design document and completed the design document.

Yan Yao Chan (4 hours 20 minutes) – Attended the weekly class session and group meeting. Completed the design document and the weekly report.

Total contributions for the project

Brant Walsh (18 hours 50 minutes)

Dillon McDowell (19 hours)

Yan Yao Chan (18 hours 10 minutes)