
EE 491 Weekly Report (DEC15-19)

Week 6

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 sixth week, the group filled out the bill of materials which includes all the hardware and parts necessary in the project design.

Meeting notes:

2/24 Group Meeting

Duration: 1 hour 25 minutes

Members Present: Brant Walsh, Dillon McDowell

Purpose and Goals: To complete the bill of materials upon guidance from our instructor.

Achievements: The bill of materials is completed in a timely manner despite needing review and verification from our advisor.

2/24 Group Meeting with Dr. Hornbuckle

Duration: 25 minutes

Members Present: Brant Walsh, Dillon McDowell

Purpose and Goals: To review the bill of materials and to discuss more about the project design and ideas.

Achievements: The group and the advisor came up with several ideas regarding the power supply. A short term goal is also set while the materials are being ordered and delivered. The short term goal is to come up with some testing surfaces that can be used to test our hardware while developing the project.

Pending issues

The required parts are still unordered. The bill of materials are yet to be reviewed by our advisor before it can be sent to our instructor.

Plans for next week

To verify and finalize the bill of materials with our advisor before submitting to our instructor so the parts can be ordered and delivered as soon as possible.

Individual Contributions for this week

Brant Walsh (2 hours 20 minutes) – Attended the weekly class session and meeting with advisor, completed the bill of materials

Dillon McDowell (1 hour 50 minutes) – Attended the weekly class session and meeting with advisor, completed the bill of materials

Yan Yao Chan (30 minutes) – Completed the weekly report

Total contributions for the project

Brant Walsh (14 hours 20 minutes)

Dillon McDowell (13 hours 50 minutes)

Yan Yao Chan (12 hours 30 minutes)