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## EE 492 Weekly Report (DEC15-19)

### Week 4

**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; Joshua Bertram, Collaborator  
Instructor

**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)

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### Weekly Summary

The group, along with the advisors and client confirmed on the hardware order. All parties discussed and came up with tasks tailored to the improvement and advancement of the project.

### Meeting notes:

9/17 Group Meeting with Advisors and Client

**Duration:** 40 minutes

**Members Present:** All

**Purpose and Goals:** To discuss about hardware purchase order and how the group should continue working on the project in terms of design, power supply and execution.

**Achievements:** Each group member is assigned a specific task to be completed before the next meeting.

### Pending issues

Order for the new hardware has been placed and is still pending pick up some time in the coming week. The main issue is that the group has yet to figure a new embedded board to be used.

## **Plans for next week**

To pick up the new hardware once it arrives and to decide on which embedded board to purchase.

## **Individual Contributions for this week**

Brant Walsh (50 minutes) – Attended the meeting with the advisors and the client. Reviewed and placed the order for the hardware.

Dillon McDowell (40 minutes) – Attended the meeting with the advisors and the client.

Yan Yao Chan (1 hour 10 minutes) – Attended the meeting with the advisors and the client. Completed the weekly report.

## **Total contributions for the project**

Brant Walsh (4 hour 30 minutes)

Dillon McDowell (4 hour 20 minutes)

Yan Yao Chan (6 hours 20 minutes)