

---

## EE 492 Weekly Report (DEC15-19)

### Week 3

**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

The group had a meeting with the course instructor to discuss more about the group project and current progress. The group also met with Dr. Hornbuckle to provide details regarding the pending issues.

### Meeting notes:

9/10 Group Meeting with Course Instructor

**Duration:** 1 hour 30 minutes

**Members Present:** All

**Purpose and Goals:** To discuss about project design in-depth and to talk about ways to effectively solve the pending project issues.

**Achievements:** Ideas were given by the course instructor as a starting point for the second phase of the project. The course instructor also set the group up with a potential new co-advisor for any necessary help in the future.

9/10 Group Meeting with Dr. Hornbuckle

**Duration:** 30 minutes

**Members Present:** All

**Purpose and Goals:** To inform Dr. Hornbuckle about issues regarding the project.

**Achievements:** The group informed Dr. Hornbuckle about any pending problems and discussed about necessary purchase of a new development board. The power source for both the Kinect and the development board is also discussed.

### **Pending issues**

The group discovered that the hardware and development board have been stolen and the group has yet to place a new order for the mentioned parts needed.

### **Plans for next week**

The group plans to finalize the list of items needed and to place an actual order for the said items. The project is to be continued once the hardware arrives.

### **Individual Contributions for this week**

Brant Walsh (2 hours) – Attended the meeting with course instructor and group meeting with Dr. Hornbuckle.

Dillon McDowell (2 hours) – Attended the meeting with course instructor and group meeting with Dr. Hornbuckle.

Yan Yao Chan (2 hours 30 minutes) – Attended the meeting with course instructor and group meeting with Dr. Hornbuckle. Completed the weekly report.

### **Total contributions for the project**

Brant Walsh (3 hour 40 minutes)

Dillon McDowell (3 hour 40 minutes)

Yan Yao Chan (5 hours 10 minutes)