EE 491 Weekly Report (DEC15-19)

Week 11

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

This week, the group discussed about the presentation and reconfigured the Kinect driver on the Raspbian OS.

Meeting notes:

4/7 Group Meeting

Duration: 40 minutes

Members Present: All

Purpose and Goals: To discuss about presentation.

Achievements: The group discussed more about the presentation. The group also completed the worksheet on presentation.

4/7 Group Meeting

Duration: 50 minutes

Members Present: All

Purpose and Goals: To set up and configure a different Kinect driver on Raspbian OS on the Raspberry Pi.

Achievements: The group did not manage to complete the configuration due to time constraints and the required meeting with Dr. Hornbuckle.

4/7 Group Meeting with Dr. Hornbuckle

Duration: 20 minutes

Members Present: Brant Walsh, Yan Yao Chan

Purpose and Goals: To report the group's progress on the senior design project to the advisor.

Achievements: The senior design progress is successfully delivered to the advisor.

4/9 Group Meeting

Duration: 1 hour 20 minutes

Members Present: All

Purpose and Goals: To configure the Kinect driver and to work on the presentation document.

Achievements: The group did not manage to complete the driver configuration due to the lengthy process. One group member is designated to complete the process at his own time.

Pending issues

The Kinect driver issue has yet to be resolved and the presentation document is currently incomplete.

Plans for next week

Hopefully to resolve the driver issue and to work on the group presentation document.

Individual Contributions for this week

Brant Walsh (3 hours 40 minutes) – Attended the weekly class session and group meeting. Configured the Kinect driver. Attempted to build a foundation for the hardware.

Dillon McDowell (4 hours 30 minutes) – Attended the weekly class session and group meeting. Configured the Kinect driver.

Yan Yao Chan (3 hours 50 minutes) – Attended the weekly class session and group meeting. Configured the Kinect driver. Completed the weekly report and worked on the presentation document.

Total contributions for the project

Brant Walsh (40 hours)

Dillon McDowell (32 hours 55 minutes)

Yan Yao Chan (34 hours)