3D Reconstruction using Time of Flight Sensors

EE/CprE 491 Weekly Report	Dec15-09	Week 6 (2/23/15-3/1/15)

Adviser: Tom Daniels

Client: VirtuSense Technologies

Members: Team Leader – Monica Kozbial
                Team Webmaster – Sarah Files
                Team Communication Leader – Kyle Williams
                Team Key Concept Holder – Yee Zhian Liew

Weekly Summary
-The work is divided for this project.
-We can show some progress by next week.

Meeting Notes

2/24 Group meeting with members
Duration: 0.5 hour   **Members Present:** All members
Purpose and Goal: Met to discuss what needs to be done and show progress.
Achievements: We have split the workload and set a deadline for our work.

2/25 Group meeting with members, and advisor
Duration: 1 hour   **Members Present:** All members
Purpose and Goal: Show our advisor what we are going to do for each individual. Adviser gives us some guidelines and recommendations of starting the project.

Achievements: Created task in Asana and set a deadline for it.
Note: Changed our conference time from 8.20am to 8.50 am on every Wednesday.

Pending Issues
- Requesting for a computer with USB 3.0 to the university, waiting reply from the client.
- Request another computer to the VirtuSense.

Plans for Next Week
Monica: Research to begin process of interpreting sensor data to convert to Mesh. Research texture map strategies.
Sarah: Research WPFs, draw UI screens for the Kinect and begin programming for it. Plan out a tutorial for first time users.
Kyle: Research methods of filtering out backgrounds and smoothing raw 3D data. Begin to implement.
Yee Zhian: Research licensing for Kinect and Blender, also python on Blender.

Individual Contributions This Week
Monica: Adviser and group meetings (1.5 hrs), working on data to mesh conversion (2 hours)
Sarah: Adviser and group meetings (1.5 hrs), research on WPFs (2 hours)
Kyle: Adviser and group meetings (1.5 hrs), research on methods of filtering the backgrounds (2 hours)
Yee Zhian: Adviser and group meetings (1.5 hrs), working on kinect licensing and plugin for blender (2 hours)

Total Contributions for Project
Monica: 23 hrs
Sarah: 23.5 hrs
Kyle: 20.5 hrs
Yee Zhian: 18 hrs