

3D Reconstruction using Time of Flight Sensors

EE/CprE 491 Weekly Report

Dec15-09

Week 7 (3/2/15-3/9/15)

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

-Dividing the work for design document.
-Working on the research for phase 1

Meeting Notes

3/3 Group meeting with members

Duration: 1 hour **Members Present:** All members

Purpose and Goal: Met to discuss what design document is and set a meeting to finish it.

Achievements: We have set a 2 days for the meetings, Thursday and Saturday.

3/4 Group meeting with members, and advisor

Duration: 1 hour **Members Present:** All members

Purpose and Goal: Ask adviser about difference between functional, non-functional and functional decomposition. Got a meeting with Deepak to talk about our progress.

Achievements: Computer with USB 3.0 is arriving on Monday.

3/5 Skype meeting with members

Duration: 1 hour **Members Present:** All members

Purpose and Goal: Discuss about the design document and who is going to do which part.

Achievements: Working on functional and non-functional requirement.

3/8 Skype meeting with members

Duration: 1 hour **Members Present:** Sarah, Monica and Yee Zhian, Liew

Purpose and Goal: Working on design document.

Achievements: Trying to finalize the design document.

Plans for Next Week

Monica: Research to begin process of interpreting sensor data to convert to Mesh. Working on design document.

Sarah: Research WPFs, draw UI screens for the Kinect and begin programming for it. Plan out a tutorial for first time users. Working on design document.

Kyle: Research methods of filtering out backgrounds and smoothing raw 3D data. Begin to implement. Working on design document.

Yee Zhian: Research licensing for Kinect and Blender, also python on Blender. Working on design document.

Individual Contributions This Week

Monica: Adviser and group meetings (2 hrs), skype meeting (2hrs), working on design documents (1.5 hr)

Sarah: Adviser and group meetings (2 hrs), skype meeting (2hrs), working on design documents (2 hrs),
Researching (0.5 hours)

Kyle: Adviser and group meetings (2 hrs), skype meeting (1hr), working on design documents (2 hrs)

Yee Zhian: Adviser and group meetings (2 hrs), skype meeting (2hrs), working on design documents (1.5 hrs),
Researching (1.5 hrs)

Total Contributions for Project

Monica: 26.5 hrs

Sarah: 27.5 hrs

Kyle: 23.5 hrs

Yee Zhian: 22 hrs