University of Burgundy

Software Engineering Project

3D Scanner

Report 1

Group Members:

Rahul Pandey

Majeed Hussain

Zafar

Supervisor :

Prof. Yohan Fougerolle

David Strubel

Cansen Jiang

Introduction:-

We are currently working on the 3-D scanner project. At the very first we start to put the blueprint of the project and the main points to organize the work and for this we have first studied the reports made my senior students.

In this report, we will like to present our current status of project as well as the future work that we will try to do.

Team Member:-Majeed Hussain, Rahul Pandey, Zafar

Current Progress:-

It takes lot of time to connect PCL with QT due to lot of errors. Finally, PCL is working fine with QT.Currently we are trying to connect OpenCV with QT and at the same time we are studying the previous source code in order to get the actual feel of the project.

Next week Task:-

(From December 4th - December 10th)

1. Familiarize with key techniques/development phases (for instance, meshing,registration...etc.) that will be used to create 3D model from Kinect.

2. Familiarize with basics of relevant algorithms and libraries, e.g., ICP, RANSAC and PCL.

3. Set up platform to proceed with the actual project (install OpenCV and ensure it works with QT)

Future task:-

We will divide the project work into various stages and assign each stage work to one member to work on different parts of the project. Everyone should research on techniques/stages and try to find the part that is more suited to ones interest.