UNIVERSITE DE BOURGOGNE

Software engineering

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Report 1

Team Members:

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1 Setting up of the system

To be able to run the projects in which we must work we should install the next items:

- QT Creator 4.0.3 with MSVC 2015
- PCL all in one 1.8 installer
- VTK 7.0.0
- Cmake
- VisualStudioCPPTools

This has been one of the most difficult task and the time taking one too. We have followed various instructions set and hit trial method to make or PCL program run. Though we are not taking into consideration all those into this report but the simplified version of the output. Two most helpful of the approaches were obviously the one contained in the project folder of the Group 3-D scanner project by group 3 and the installation guide upload to Edmodo for our schoolmate Roger Pi. One trick used while installing the software is to copy the PCL folder after setting up of VKT into the system as a way to skip this part of installing the Visual Studio and build the VTK for using it further.

2 Division of work

In order to have a better understanding about the work we have to do, we split the stages followed to build the previous project in the next order:

- Filtering: Malav
- Registering: Mohit
- Denoising and smoothing: Liliana
- Meshing: Eduardo

3 Setting up of tools for work

As part of the project and also as a better way to work, during one of our meeting we created a github repository https://github.com/bigmb/HakunaMatata.git and a slack's group. So far, we are woring mainly through slack to set up our meeting and to create lists about what we need to do.

4 Tasks for the next week

For the next week, we need to fix the problems that we still have with the laptops of some of us. As we want to implement OpenCV to do matching feature in the registration section, we will start with the installing of the software and the understanding to implement this in the code.