

UNIVERSITY OF BURGUNDY

Software Engineering Project Weekly Report

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Contents

1	Task completed	2
2	Work in progress	2
3	Task for incoming week	2

1 Task completed

Task completed during this week include:

- Software installation: OpenCV
- Reading and analysis: pre-processing depth images and registration algorithms from previous reports.
- Programming: Developed a simple visualizer of pointclouds where everybody can test their code and visualize the output.

2 Work in progress

Due to the complexity of understanding last year's project code and in order to gain a deeper understanding in the subject, we are going to start implementing code from scratch, using as guideline the previous one.

3 Task for incoming week

We decided to work in different functions/methods PCL library offers to perform operations in the 3D cloud. Specifically, each member has to focus on one kind of algorithm:

- Downsampling (Natalia)
- Outlier removal (Farid)
- Scale-invariant feature transform (Roger)
- Iterative Closest Point (Amjad)