

MEETING N. 4:

SOFTWARE ENGINEERING PROJECT

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## Contents

This fourth meeting was held on 4, December 2017, with all the group members.

## I. ACHIEVED GOALS

Here is the state of the project at the time of the meeting:

- Marcio: Managed to acquire data vertically. Therefore, PC are now rotated by  $90^\circ$ . Make options for camera orientation. Saving as PCD needs to be tried with kinect (header problem).
- Mladen: Studied GUI, defined the main features to be implemented.
- Gulnur: Need to fix PC show. Implemented ICP KD tree on matlab. better than ICP for speed and accuracy. One more article has been found and looks interesting. All the current projects are using the same filtering methods (passthrough, laplacian). Prototyping on matlab.
- Antoine: Started to do the software design, need the other parts to continue.

Here are the goals to reach for next week:

- Gulnur: Analyse new paper, prototype in matlab, read about filtering, report on PCL function usages
- Marcio: Try to save pcd from kinect acquisition, work with antoine regarding the IO design.
- Mladen: Final design of the GUI,
- Antoine: Continue specifying the UML, work with team to determine relevant parts.