

Software Engineering Project Weekly Report

3D-KORN

University of Bourgogne

Luca Canalini	Ezequiel De La Rosa	Benjamin Lalande Chatain
Roberto Paoella	Umamaheswaran Raman Kumar	Savinien Bonheur
Albert Clerigues Garcia	Daniel Gonzalez Adell	Nayee Muddin Khan Dousai
	Pamir Ghimire	Di Meng

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1 Tasks Completed

- **Point Cloud Operations Class**

- *Research and documentation: Waterlightness*
- *Conversion from vtk format to stl*

- **GUI Class**

- *Research, documentation and test for menubar, toolbar and statusbar.*
- *Kinect stream add to the GUI*

- **Scan Registration Class**

- *Compensation with the scanner turntable known center of rotation and angle difference between scans*

- **Kinect Controller Class**

- *Fix the acquisition of null points*
- *Definition of a cropBox for the acquisition of points*
- *Complete the TDK_KinectV2Controller class*

2 Main Goals For Next Week

- **Point Cloud Operations Class**

- *Complete the implementation of Waterlightness*
- *Save and Load Class*

- **GUI Class**

- *Integration of registration and meshing classes to the GUI*
- *Improvement of the GUI in term of Friendly User Abilities*

- **Scan Registration Class**

- *Research and Documentation for improvements*
- *Complete the Scan registration*

- **Kinect Controller Class**

- *Implement controller functions for R200*
- *Build the turn table, in cooperation with the different groups*

3 Important links

- Task allocation and progress (<https://goo.gl/WDHEjf>)
- Github repository (<https://github.com/umaatgithub/3D-KORN>)