

Software Engineering Project Weekly Report

3D-KORN

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1 Tasks Completed

- Initial GUI with partitions created in Qt using grid layout and dock widget
- New PCL build files created for VTK to support QVTKWidget which is not available with the default PCL 1.8 build
- Loaded pointcloud files(PCD and PLY) in the GUI created
- Video stream and depth map added to kinect grabber
- Pointcloud crop functionality implemented as part of POC
- Work done on ICP for point cloud registration(In progress)
- Self study and practice on Qt GUI programming and object oriented programming during the vacation

2 Main goal for coming week

- Integration of the initial codes developed in separate branches

3 Important links

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