

# Object Recognition and Path Smoothing Robot

10/10/2018

Team Members: Ammon Dodson, Alex Marlow, Jake McKenzie

## Key Achievements






- [Detail the key achievements over the last week. Each team member should have a key achievement in the last week. See example below]
- Ammon – Started reading the documentation for ROS and actually exploring the limitations of the device to see whether the device
- Jake – made proposal “foil”, scheduled meetings with Mike and began reading Robot Operating System for Absolute Beginners by Lentin Joseph
- Alex – joined the group and got brought up to speed with the projects requirements.

## Key actions planned for the next [two weeks]

- Do “Hello world!” in ROS (Actually exploring the ins and outs of ROS)
- Control the burger-bot directly with the Xbox controller

## Key risks / issues / scope changes

- We need to actually figure out how we’re going to get the hardware to work.
- The major risk we had this week was not having enough people the project but that has changed with the introduction to the group.
- We scrapped one of the goals for the project from last week.

Project Metrics	Status	Overall Project Status
Schedule		
Budget		
Risk Management		
Customer/Stakeholder Engagement		

Project milestones	Target date	Expected completion	Status
Drive bot with controller	2018-Oct-17	2020-Oct-17	
Drive bot with smoothing algorithm	2018-Nov-17	2024-Dec-25	
Execute SLAM on robot	2018-Dec-15	2100-Apr-20	
Have bot autonomously find an object with computer vision	2019-May-15	∞	

## Customer/Stakeholder Issues

- We met with Dr. McCourt Oct/4 where we explored the eventualities of the project and defined the product cycle.

## Key Discussion Areas

- “What do we actually want to achieve with this project?” seemed like the most salient discussion from this week.