Memo

**To**: Dr. Luis Rodriguez

**From**: A.R.C. - Logan Beaver, Justin Campbell, Tyler Paddock, and Ron Shipman

**Date**: January 23, 2015

**Re**: A.R.C.’s Update for Week 6

**Problem Statement:**

Milwaukee School of Engineering (MSOE) participates in community outreach programs where science, technology, engineering, and mathematics (STEM) topics are demonstrated to encourage younger generations to enter into STEM based degrees and careers. Having an automated control system to demonstrate and interact with would increase the excitement at these outreach programs. Development of a robot with pneumatic locomotion for the Milwaukee School of Engineering’s controls classes would give students a first-hand experience with complex control systems.

**Last Week’s Accomplishments:**

* + Communication System Architecture completed

**Goals for Next Week:**

* + Test Communication System for Bugs. (One known issue)
  + Document Communication System
  + Create robots main state machine
  + Debug Panel Design

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| **Date** | **Person** | **Task** | **Time [Hours]** | **Total Man-Hours** |
| 1/16/2015 – 1/22/2015 | Tyler | Communication System | 9 |  |
| 1/8/2015 | Logan, Tyler | Software and Modelling meeting | 1 |
| 1/5/2015 | Tyler | Communication System Work | 2 |
| 1/1/2015 – 1/8/2015 | Team | Powerpoint Presentation | 2 |