Memo

**To**: Dr. Luis Rodriguez

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

**Date**: November 7, 2014

**Re**: A.R.C.’s Update for the Week 9

**Problem Statement:**

Milwaukee School of Engineering’s mechanical engineering students take controls classes in their senior year. Having an automated control system would be a beneficial tool to explore controls theory. An application of Automatic Control Systems is the use and development of robotics. 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:**

* Filled out MSOE funding request form
* Finalized design matrix
* Design Report updated – Electronic Components, Proposed Gaits, Background
* Updated Preliminary designs
* 1 design rated based on Final Design Matrix (88.66/100)

**Goals for this Week:**

* Update report – Update/Complete Background, Begin Preliminary Design/Design Choice related sections
* Rate remaining preliminary designs based on Final Design Matrix
* Acquire Dr. Rodriguez’s signature for funding request form
* Draft debug panel
* Update leg simulation
* Update Gantt chart

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| **Date** | **Person** | **Task** | **Time [Hours]** | **Total Man-Hours** |
| 11/6/14 | Team | Team Meeting | 1 | 27 |
| 11/7/14 | Team | Team Meeting | 1 |
| 11/1 to 11/6 | Team | Report Work | 2 |
| 11/1 to 11/6 | Justin, Logan, Ron | Robot Modelling | 3 |
| 11/1 to 11/6 | Tyler | Electronic Documentation | 2 |