Memo

**To**: Dr. Luis Rodriguez

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

**Date**: October 31, 2014

**Re**: A.R.C.’s Update for the Week 8

**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:**

* Give official documents to JCI for review
* Draft design matrix
* Beautify report – Table of contents, headers, page numbers
* Update Gantt chart
* Continue work on design report
* Draft initial robot designs

**Goals for this Week:**

* Fill out money request form
* Finalize design matrices
* Update leg simulation
* Update initial robot designs
* Draft debug panel
* Update report – Electronic feasibility, gaits, microcontroller, backgrounds section, gantt chart

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| **Date** | **Person** | **Task** | **Time [Hours]** | **Total Man-Hours** |
| 10/30/14 | Team | Team Meeting | 1 | 24 |
| 10/31/14 | Team | Team Meeting | 1 |
| 10/23 to 10/31 | Team | Report Work | 2 |
| 10/29/14 | Logan | Robot Modelling | 4 |
| 10/29/14 | Ron | Robot Modelling | 1 |
| 10/29/14 | Logan, Tyler | Debug Panel Design | 1 |
| 10/29/14 | Logan | Pneumatic CAD drawing research | 1 |