

Date: 04/14/2014

Group Number and Name	DEC14-08 / PUMA ROBOT
Client/Advisor	Dr. Greg R. Luecke
Attendees/Role	Alex Grieve / Webmaster Matt Bogenschultz / Lead Nhat Pham / Communications Zeyu Zhang/ Key idea holder

Past week accomplishments

What was done, who did it, and when it was done

A: Parts for H-Bridge prototype came in Tuesday morning. Nhat is working on understanding the circuit. Currently only one side of the circuit is working, will need more time to research to completely understand the circuit.

B: Alex has completed an interview with a 492 team.

C: Zeyu find our motor have 3 encoder: enc A, enc Q, enc Index. And other 3 wires connection: +volts, - volts, ground. enc A and enc Q's will output signal 0 or 1 to determine rotation. clockwise: 01,00,10,11

D: The MOTENC-Lite boards arrived. Dr. Luecke found us a computer to use to control the robot arms.

Plan for coming week

What to do, who, and when should it be done

A: Nhat will continue working on understanding and building a functional H-Bridge that could be tested on the robot.

B: As a team we will complete our second Design Document, and prepare for a short presentation.

C: We will try to complete the second 492 team interview within the next week.

E: Alex will set up the computer Dr. Luecke provided. The BIOS needs to be reset, Ubuntu needs to be installed, and the MOTENC-Lite boards need to be installed.

D: Zeyu will try to connecting encoder to our PCI board.

Pending Issues

A: H-Bridge circuit is still on pending due to lack of understanding of the circuit. Currently only one side of the H-bridge is functional, which only controls one direction of the motor. Nhat will keep working on completing the circuit.

B: We haven't completed the second interview with a 492 team.

Individual Contributions

A: See "Past Week Accomplishments" section

Individual hourly Contributions

<u>NAME</u>	<u>Hours this week</u>	<u>HOURS Cumulative</u>
Matthew Bogenschutz/ Leader	6	48
Nhat Pham / Communication	6	51
Alex Grieve / Webmaster	6	65

Zeyu Zhang / Key-Idea-holder	6	32
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Comments and extended discussions: