

Weekly Report

May15-27

S2 Week 14 (4/13/15 – 4/26/15)

Advisors: Dr. Jones, Dr. Elia

Team Members:

Alberto Di Martino * Team Co-Web *
Dylan Gransee * Webmaster *
Robert Larsen * Team Leader *
Ian McInerney * Team Key Concept Holder *
Aaron Pederson * Team Communications *
Rohit Zambre * Team Secretary *
Fengxing Zhu * Team Comm. Co-leader *

Weekly Summary

We've managed to implement the needed VHDL, so the system can now drive and balance the pendulum at the same time.

Pending Issues:

Individual Contributions:

Aaron:

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Alberto:

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Dylan:

- Finished and tested the demo for a square step response
- Wrote code to drive ground robot wheels while running the quad motors
- Tested the robot while driving the base

Fengxing:

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Ian:

- Fixed PWM frequency issue
 - Propeller ESCs now use 430Hz and Eris motors now use 28kHz
- Helped test driving and balancing at the same time

Robert:

- Worked on getting wheels to work
 - Found frequency issue
- Reread old teams documentation and found a diagram sort of explaining the changes they made to VHDL
 - Using this, recreated the VHDL
- Tested driving and balancing at the same time

Rohit:

- Worked on documentation and poster presentation

Next week goals:

Everyone:

- Finish Documentation
- Finish final report
- Update presentation

Work Hour Totals:

Note this report goes from 4/13 to 4/26.

Team Member	Weekly Hours	Running Total
Aaron	6.00	193.80
Alberto	3.00	169.50
Dylan	27.00	258.00
Fengxing	1.00	164.00
Ian	11.50	211.50
Robert	31.50	228.50
Rohit	8.00	178.00