EE 491 Weekly Report 4

Date: 2-6-17 -- 2-13-17

Group Number: May1735

Project Title: Cy-Mote

Advisor: Dr. Daniels

Team Members:

Kyle Fischer - Team Lead

Michael Linthicum - Communications Lead

Daniel Shauger - Concept Holder Lead

Sam Neff - Webmaster

Nick Juelsgaard - Schedule and Planning Lead

Summary of the Week:

This week we continued to work on our own separate parts. Much of the same. Steady progress and minor setbacks. We went over, in detail, what we have left to do to prepare for our group presentation. We defined some roles, looked over what we already had prepared from last semester’s presentation, and noted what we still have left to do.

Past Week Accomplishments

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| --- | --- | --- | --- |
| Name | Accomplishments | Time worked | Cumulative Time |
| Kyle Fischer | Got the BLE library working in C#. Tried connecting to the AlphaMote (CyMote Alpha) | 6 | 15 |
| Michael Linthicum | Gyroscope implemented in nine degrees of freedom program. | 4 | 17 |
| Daniel Shauger | Research into BLE libraries, Meetings, Flapping arms at CprE 488 | 3 | 11 |
| Sam Neff | Put presentation together/made edits. Worked with Nick on the MultiSIM file. | 5 | 14 |
| Nick Juelsgaard | Finished up the MultiSIM and re-picked a battery. Also did the work needed to figure out how to debug the board | 6.5 | 18.5 |

Pending Issues:

* Kyle Fischer - Could only read the name “CyMote Alpha.” Might not be creating the BLE characteristics correctly.
* Michael Linthicum - Teammates have insufficient beards. Need to clean up code and find a combine programs into one.
* Daniel Shauger - Trying to find a not-so-hacky way at using the UWP BLE libraries on a console application in C#, 488 is a time sink
* Sam Neff - Choosing/selecting appropriate parts is time consuming. There are many small details that we didn’t account for that are making our schedule slip.
* Nick Juelsgaard - Lot of work to figure out the new parts, takes way too much time

Comments and extended discussion

Plan for coming week

* Kyle Fischer - Re-investigate the BLE service/characteristic creation. Try to read BLE data on the PC.
* Michael Linthicum - Trim some man off of the beard. Clean up code and combine into one working program. Start helping with BLE and whatnot.
* Daniel Shauger - Research stuff
* Sam Neff - Ultiboard!
* Nick Juelsgaard - Work on the Ultiboard

Summary of weekly advisor meeting:

Didn’t meet this week.