

EE 492 WEEKLY REPORT 7

Date:10/03/2016 - 10/10/2016

Group: **DEC1605**

Project title: **Kepros Physical Therapy & Performance, PC**

Client: Ted Kepros

General Advisor: Suresh Kothari

Technical Advisor: Jeremias Saucedo

Team Members/Roles:

Anthony Branson: Team Leader

Jiahui Quan : Team Webmaster

Samuel Eue : Key Concept Holder

Benjamin Engh : Team Communication Leader

Weekly Summary

We double checked the codes and the pins we are using for gyroscope sensors and connections of the circuit, and also tested the new board with both EMG and gyroscope. We were still not able to make gyros working, but the EMG seemed working properly. So we thought it was only the gyroscope's problem. We tried to contact the company where the sensors are bought to see if there is a datasheet for gyroscope testbench that we are dealing with. Still waiting for the new sensor arrived.

Pending issues

1. Second bus setup
2. Check if the gyroscope is broken completely

Plans to solve issues

1. Do some research and work on compartmentalizing code, see if we can get a second I2C bus working instead of the default, write to the final board's sd
2. Waiting for the datasheet we required from the sensor company.

Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Ben	Software modification	4	73
Jiahui	Website maintenance Weekly reports Doing algorithm	4	71
Anthony	Meeting coordination and client/advisor communication	4	63
Samuel	Software/hardware modification	4	60

Plan for coming week

- Figure out how to get gyroscope working with the board
- Try to connect all six sensors on two buses from getting third sensor reading on second bus
- Prepare ongoing advisor/team design changes document, update the progress we are at right now including angle algorithm