

EE 492 WEEKLY REPORT 6

Date:9/26/2016 - 10/03/2016

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

This week, we rewrite some of the codes from the previous version and make two sensors working on one bus. And we are still trying to find any solution to get the eclipse working with arduino. We re-soldering the wire on the chip to make the circuit clean and clear.

Pending issues

We made two sensors working on one bus, but for some reason, days later it did not work any more. We tried with one sensor, and it is still not getting data back from the sensor. This happened after we desoldering the sensors. As a result, we assume some parts of the connection metal is broken after desoldering, and we are trying to test if it is still working fine.

Plans to solve issues

- Check the circuit is working properly
- Go through the codes to see if there is anything wrong. (The error is showing that there is something wrong with the data address. We are still looking into it.)
- Check if the sensor is working on the backup board.

Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Ben	Software modification	3	69
Jiahui	Website maintenance Weekly reports Doing algorithm	5	67
Anthony	Meeting coordination and client/advisor communication	2	59
Samuel	Software/hardware modification	2	56

Plan for coming week

- Try to test to see if the gyros works by putting it in the circuit and seeing if it gets power
- Try to get two sensors reading data on one bus again.
- Still trying to find out how to get eclipse work
- Find the algorithm for the angles we are expected to detect with the device.
- Purchase new sensors in case that the sensors are broken when desoldering