EE 492 WEEKLY REPORT 9   Date:10/17/2016 - 10/24/2016

Group: **DEC1605**
Project title: **Kepros Physical Therapy & Performance, PC**
Client: Ted Kepros
General Advisor: Suresh Kothari
Technical Advisor: Jeremias Sauceda

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 are still trying to set up the second bus on I2C for the other three sensors. Since last week, in the advisor meeting, we discussed briefly about the algorithm we are using to measure the back movement angles, our technical advisor thought that, instead of using the gyroscopes' measurement and formulas, it is better to use acceleration formulas. This week, we looked deep into the data we are collecting and found that we can combine these two measurement together to easily get understandable readings. In addition, two new sensors are ready to be used on the board.

Pending issues

1. To get understandable readings, we are still in a theoretical assumptions.
2. Setting up the second bus.

Plans to solve issues

1. We need to verify our assumptions with bunch of data under specific circumstance.
2. Do more researches on how to get the second bus running properly.

Individual contributions

NAME	Individual Contributions	Hours this week	HOURS cumulative
Ben	Software modification	4	79
Jiahui	Website maintenance Weekly reports Update algorithm	6	81
Anthony	Meeting coordination and client/advisor communication	3	68
Samuel	Software/hardware modification	4	66

Plan for coming week

- Drop off old sensors with advisor
- Get one sensor working on each bus
- Get some progress in the algorithm
- Trying to get some understandable data from EMGs