

Senior Design 491 - Weekly Report - DEC15-04 Week 12 (4/6/15 - 4/13/15)

Advisor: Suraj Kothari
Project: Future Wearables
Client: Ted Krepos ("*Krepos Physical Therapy and Performance*")
Ensoft - Jeremías Saucedá
Members: Aaron Reyes - Team Leader
Nick Plutt - Webmaster
William Park - Communication Leader
Josh Cline - Key Concept Holder #1
Nick Gonner - Key Concept Holder #2

Weekly Recap:

Parts have all arrived are in the hands of Aaron or Josh. (It is still being put together) We are in the works of getting it in working condition for a testing phase.

Meeting Overview:

April 9,10,11, 2015 - **Meeting-12,13,14**

Duration: 2 Hours

Attendance - **12**

William Park	Gone (Family Matters), In Person, Absent
Nick Plutt	In Person, In Person, In Person,
Aaron Reyes	In Person, In Person, In Person,
Josh Cline	In Person, In Person, In Person,
Nick Gonner	In Person, In Person, In Person,

These meeting was mainly for Electrical / Computer team as it was to put the device together.

- i. Software Team is just waiting on EE/CpRE to work on the prototype of the device.
 - a. We have been working on getting familiar with Android Development Studio so that the application can be pushed out as fast as possible.
- ii. EE and CpRE team has been working hard in working on getting the device setup. Things have been looking good. We are shooting for our goal to have a device that shows data by the 17th (The day we present to Ted and the others from EnSoft.)
- iii. Team has been working in two parts. Software and CpRE will be working together to get the Embedded programming while EE and CpRE will also be working on getting the actual device in working condition.

Accomplishments this week:

12-14 - EE and CpRE team has been working hard in trying to get a working prototype ready for a demonstration. We have to push hard to succeed to get a working prototype by the 17th.

Pending Issues:

12-14

1. Embedded Testing is hard to do with one device. Sudo-code is possible however, it is can contain many errors and faults without actually having the device in hand.

2. We are in major crunch time with this prototype. We have to try to push it out before next week (The 17th), which is when we meet with our clients for an initial demo and presentation.

Planning:

12-14 (Continued)

- i. More frequent meetings.
- ii. Getting the design for the PCB finished.
- iii. Getting the embedded system programming done
- iv. Assembling the first prototype.
- v. Getting sufficient data read before April 17th (Our Presentation with Ted).

Individual Contributions

Aaron: -- (9 hr)

- i. meeting
- ii. Design and construction

William: -- (3 hr)

- i. Weekly Report
- ii. Meetings

Josh: -- (9.5 hr)

- i. Meeting
- ii. working with parts
- iii. Learning Arduino and looking up programming EMG with Pro Micro
- iv. Learning Bluetooth programming to with with Pro Micro

Nick P.: -- (9 hrs)

- i. Meeting
- ii. Working with android studio

Nick G: -- (9 hr)

- i. Meeting

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ii. working with parts

Total Contribution for the Project:

Aaron Reyes (36 hrs)

William Park (30.5 hrs)

Josh Cline (44.7 hrs)

*Nick Plutt (36 hrs)

Nick Gonner(40.1 hrs)