# Senior Design 491 - Weekly Report - DEC15-04
# Week 11 (3/30/15 - 4/6/15)

**Advisor:**     Suraj Kothari
**Project:**     Future Wearables
**Client:**      Ted Krepos ("*Krepos Physical Therapy and Performance*")
                 Ensoft - Jeremías Sauceda
**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:

Still waiting on parts to be delivered. Our project timeline has to be pushed back a week or two due to backordered parts. Talked about what needs to happen during this last month stretch.

## Meeting Overview:
April 4, 2015 - **Meeting-11**
Duration: 4 Hours

Attendance - **11**

| William Park | Gone |
|---|---|
| Nick Plutt | In Person |
| Aaron Reyes | In Person |
| Josh Cline | In Person |
| Nick Gonner | In Person |

i.   Late last week we received all our parts. Most of the team met on saturday to start on the initial prototype except for William (was out of state for family matters).

ii.    We worked on getting the project plan updated and we had to change our Gnatt chart to correspond with the changes in our project's timeline.

iii.   Here is the rundown of what was talked over

- We need to create a PCB board to align some pins to the microcontroller. PCB design discussions need to be worked out.
- We got some parts wired to connect them together
- We decided to initially connect the parts via breadboard instead of soldering
- We had to decipher pin locations on the IMU because the board was not labeled
- We talked about battery solutions to power the devices

## Accomplishments this week:

**11** - Parts were delivered. Met for the first time to start on the initial prototype of the project. We talked about what needs to come in the next following weeks before our presentation and our meeting with Ted. This next upcoming weeks will be major crunch time to get our project ready for our initial phase.

## Pending Issues:

**11-** There are a lot of issues with the parts.

- PCB Board needs to be designed to work accordingly with our Microcontroller
- Some of the parts were not labeled (boards) to where the pins connections are outputting to.
- Embedded programming cannot start until the initial parts are powered and hooked together.
- Mobile functionality will be pushed until we get sufficient data from the prototype.

**Planning:**

*11*

i.   More frequent meetings.
ii.   Designing the PCB.
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 : -- ( 4.5 hr)

i.   meeting
ii.   Working with Parts

William: -- (1. hr)

i.   Weekly Report

Josh: -- (8 hr)

i.   Meeting
ii.   working with parts
iii.   project plant and gnatt chart
iv.   git-hub repository

Nick P: -- ( 6.5 hrs)

i.   Meeting
ii.   working with parts
iii.   revising project plan
iv.   website revisions

<u>Nick G:</u> -- ( 4 hr)
  i. Meeting
  ii. working with parts

**Total Contribution for the Project:**
Aaron Reyes (27 hrs)
William Park (24.5 hrs)
Josh Cline (35.2 hrs)
*Nick Plutt (27 hrs)
Nick Gonner(31.1 hrs)