From: Team 2 (#7) 3/23/14

To: Team Members

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Subject: Notes from class meeting 3/23/2016

We have our next Presentation on March 30, 1pm.

Conference call Monday 3/28/16 Santiago to set up. Email him availability.

We have decided on a sensor approach. We will call an app and use a product out there already as a sub-program of ours, for demonstration purposes. It is a “sense ball and pill”. I just received it.

The pill is an accelerometer that attaches to a pillow (tracks sleep movement only at night right now), communicates via Bluetooth and has an internal battery that is supposed to last a year. It communicates to a ball that sets on the nightstand. The ball has wifi and Bluetooth. It can communicate to a phone or pad. Also have a temperature, humidity, proximity, and particle sensor. It also has microphone, speaker and mood light.

After negotiating with Dr. Shankar; we do not have to use the Pi breadboard and sensors, can use off the shelf. We can use other apps in the unit as part of demo. He was in favor of motion sensors.

The presentation Wednesday should show our approach.

Charles is going to write the software. We would like to show scene movement on a Lexus 7, between views, the ability to call up the Sense program and data, and the ability to fill out our questionnaire and diagnosis form.

Format:

Intro; brief, about competition- Bob – 1 min

Why motion is a good sleep indicator and questionnaire - Leslie – 2min

Art slide status - Ivan – 1 min

Demo of slides and device - Charles and Santiago - 4 minutes.

Conclusion - Bob- 1 min.

We plan on the ability to call up other app from our pad. (Perhaps could also go on the internet)

? Given we get the basics done any other ideas of what to call up?

Need to come up with a schedule given that the last day of class is April 25, and for us April 22. Finals are from April 28th to May4th.

Schedule: First working displays (Charles?) 3/30

Sensors working (Santiago and bob 3/25)

First sensor download displayed

Presentation update March 30.

Final Prototype working- 3/26.

4/22 (guess) Final Presentation: Team presentation, live demo and demo video

Final Project Report: To Github, slides, Word document (5 pages); link to demo Video and the Github site.

To Do’s.

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| --- | --- | --- | --- |
| Person | To Do | Due Date | Result |
| Leslie | Set up a Q&A for sleep  Could be a internet call to some other place  Is movement sensor OK? | 3/9 Need to get us something by 3/25  (email to Charles) | Has been working on report this week |
| Santiago  Interfacing | Set up Visional Conf call  Get shield and sensors working recommend one  Going with the ball and pill. Help with SW check. | 3/9 next 3/17  3/12 | Went through various approaches with Professor. |
| Ivan | Work with Charles to figure out how to get slides into Android  Update Slides per review, put in format we can get into android | 3/12  Need revision with comments from Teachers to Charles by 3/35 |  |
| Bob  Project management | Investigate sensors  Voice recordings  Research sleep  Update minutes  Get ball and pill to Charles with Nexus 7  Help check software. | 3/23  3/25 | Found program good for snoring |
| Charles  Programming | Write software for demo  Work with Ivan to get slides into Android. Help Ivan set up Android system  Look at prelim. Android  Program  How can we call existing SW programs out there to be part of our program? A super program? | 3/30 | See android.fau.edu |