EE 491 WEEKLY REPORT 6   *Date:10/17/16*

Group number:1730

Project title: High Clarity Speaker System

Client &/Advisor: Dr. Louis Banitt, M.D. / Professor Tuttle.

Team Members/Role: Quinn Rayner, Nicholas Bramanti, Arifi Salim, Andrew McNeil

o **Weekly Summary (Short summary about what you did this week)**

This week was all about finishing our design document for our project plan. We met with Professor Tuttle late in the week, and he gave us a TI launch pad to start playing with. We have shifted our design from using a raspberry pi to using the launch pad instead. The raspberry pi was nearly 200 dollars, while the launch pad runs closer to 15 dollars. This way each of us can work individually on designs as well as collaborate.

Using the launch pad also makes the project a bit more intricate as we had a very simple design using the raspberry pi. The pi design allowed us to plug and go with a lot of things that are already built (microphone, speaker, Bluetooth on the chip). With the Launchpad we'll have to create our own antenna, and microphone to give input. We still have completely decided on the speaker design.

o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Quinn	Researched technology and design concepts	6	18
Nick	Researched technology and design	6	18

Arifi	Compiled design concepts	6	18
Andrew	Compiled design concepts	8	18

- o **Comments and extended discussion**

  Now that we have met with Tuttle, we have a decent idea of the complexities of our project. We are still interested in finding a measurable of overall speaker quality, but may have to shift this instead to testing our project on people in different age groups. The new design we decided on will be much more hands on, and should keep us very busy next semester, if we want to be able to finish this project.

- o **Plan for coming week (please describe as what, who, when)**
    - Quinn: Compile design components, and draft list of items we need to order
    - Nick: Compile design components, and draft list of items we need to order n
    - Arifi: Compile design components, and draft list of items we need to order
    - Andrew: Compile design components, and draft list of items we need to order