EE 491 WEEKLY REPORT 10   *Date:11/14/16*

Group number: 37

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

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

  This week we decided that since we have finished our design document we should get back together with Professor Tuttle. We didn't discuss too many new ideas during our meeting, but still feel confident in our design after meeting with him. He feels that it's most important that we start to get our feet wet so that we can present something at the end of this semester. We met in the TLA to discuss exactly who should do what, and to figure out what exactly we should do for this semester.

  After meeting in the TLA we all decided to devote ourselves to researching different aspects of our project. Nick started to download the software and packages needed to process signals. We picked up a Launchpad to see what we could get working on that end. We're confident that if we work through some of the GNU tutorials that we can present something that's really important to our project. Andrew is going to get an Arduino to work on creating the speaker/receiver.

o **Individual contributions**

NAME	Individual Contributions	Hours this week	HOURS cumulative
Quinn	Reading on Gnu, downloading software	8	42
Nick	Researching has software downloaded. Working on figuring out Launchpad connectivity	8	42
Arifi	Researching speaker designs	6	40
Andrew	Researching speaker designs, and Arduino connectivity.	8	42

o **Comments and extended discussion**

Feel more confident after meeting with Tuttle. We thought we had a design that would work, but after doing our first research just wanted to make sure we were putting ourselves on the right path to creating a working product. We still have a lot to learn, but definitely want to present quality work at the end of the semester. Doing so will help us identify potential weaknesses, and also put us ahead for our work next semester.

o **Plan for coming week (please describe as what, who, when)**
  • Quinn: researching hardware for sending signals from websites provided by Tuttle.
  • Nick: researching software radio, found an interesting one called GNU radio.
  • Arifi: researching potential designs of speakers and how to build components
  • Andrew: researching microphone and speaker design concepts