

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)**

Over break we all decided that it was important that we come back this week with a better understanding of what we can present. Arifi worked on revising the project plan based on what we have changed since version 1. Nick is currently working on the website, which we didn't realize was due last week. Quinn got all the required software and started to work through tutorials on GNU radio. Nick has also been working on figuring out the software. Andrew has been working on finding the best hardware for our project, and has also been researching the microphone we will use. Our goals for this coming week is to have something solid to present, and to refine our presentation.

○ **Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Quinn	Have all GNU software and working on tutorials	8	50
Nick	Have all GNU software and working on tutorials	8	50
Arifi	Researching speaker designs	10	50
Andrew	Researching speaker designs, and Arduino connectivity.	8	50

○ **Comments and extended discussion**

Having something solid to present during dead week is important to us. We are learning a lot about the software we are going to use. Once we have some working models, building the physical hardware and connecting it all together is next. We've never worked with stuff like this before, but we're finally getting it all together. This semester's plan was to learn about how to create our project. Now that we have done this research I feel confident that we can create a working model next semester. We're all committed to making sure we create a physical model.

○ **Plan for coming week (please describe as what, who, when)**

- Quinn: Working on GNU radio software, doing tutorials and reading.
- Nick: working on GNU radio software, also working on website
- Arifi: researching potential designs of speakers and how to build components
- Andrew: researching microphone and speaker design concepts