**WEEKLY PROGRESS REPORT:**

**Date**: September 1th, 2014

**Project Name**: Portable, Low-Cost, Pneumonia Diagnostic Device

**Group Number**: 17

**Group Members**: Lauren Bedell, Shay Aluko, Clark Ingram

**Current status of project**:

Our senior design group met multiple times throughout the summer to discuss our project interests and potential project ideas. Initially our project idea centered on utilizing EOG signals to enable an individual, previously inhibited by a physical disability, to type. We contacted a mentor, Professor Daniel Moran, to discuss our project idea. Upon meeting with Professor Moran initially (Wednesday, August 20) and explaining our project idea, he verbally agreed to be our mentor for the semester and to work with us on the project idea we had chosen. On Tuesday August 26th, we met with Professor Klaesner to ensure our project scope was adequate for the course. During this meeting we were informed an additional group was planning to do a similar project, and we should strongly consider choosing another topic.  We set up another meeting with Professor Moran to confirm he was still interested in being our mentor, regardless of the project idea. We received verbal confirmation that he would advise us throughout the semester and aid us in picking another project. As a group, we met to discuss and brainstorm additional project ideas. We brought several ideas to an additional meeting with Professor Moran (Friday August 29th) to discuss his thoughts on each. We narrowed the list down to two ideas: a portable, low-cost pneumonia diagnostic device and an improved navigation device for individuals with vision impairments. As a group, we performed additional research (Saturday August 30th) on the two proposed project ideas to investigate existing devices in addition to the need for such devices in the world today. In our most recent meeting (Tuesday September 2nd), we decided that the portable, low-cost, pneumonia diagnostic device project fit more with our interests and skill set. We consequently chose that as our senior design project and have sent the idea to both Professor Moran and Professor Klaesner for confirmation.

**Work planned for next week**:

In the upcoming week, we plan to continue our patent research for our project. In addition, more research will be performed about existing diagnostic devices available in third world countries for individual suffering from pneumonia. With this research, we plan to write our project scope, with the help of our mentor Professor Moran.

**Anything needed from client or TA or instructor to continue work**:

We await confirmation from both Professor Moran and Professor Klaesner regarding our project idea in order to continue our research and work related to the project’s scope.