Weekly Report 11/20

Date: 11/20/14

Project Name: A commercial nocturnal asthma monitor

Group Number: 26

Group Members: William Padovano, David Kim, Chris Beyer

Current status of project:

We met to formally generate different designs to meet our project scope and design specifications. We have developed a number of solutions that use visual, audio, and vibration sensors in addition to pulse oximetry and EMG. We also examined the efficacy of an audio solution by writing a Matlab code that can detect coughs even with loud background noises.

Work planned for next week:

We will examine the fidelity of vibration and EMG sensors for detecting cough. With this information, we will produce a more accurate Pugh chart that will enable us to choose the best design. We will, of course, also work on our Progress Report.