Jack Lin

Nikhil Patel

Josh Olick-Gibson ­

3/23/18

Week 17 Report

On 3/19/18, we had a meeting over the responsibilities needed to do up to BME day. The tasks that we still need to do for our next meeting on 3/26/18.

Nikhil will

* + Update heart rate computation
  + Simultaneous processing of arduino data with seizure prediction (given that we can get arduino into matlab)
  + Ability to produce alerts after seizures are predicted
  + Ability to produce alerts when seizures are detected
  + Outline verification plan results (to fill in later)

Jack will

* + Produce simulations of seizure data with randomized variables (100 10-minute simulations)
  + Web page is updated
  + Parts list, part numbers, prices, sources, data sheets, lead times (?)

Josh will

* + Arduino data into MATLAB
  + Compile all circuit diagrams/wiring drawings, get them into a presentable format

On 3/21/18, we had our meeting with Dr. Lardizabal and we updated him on our current progress. We had also had a few questions for him on our ECG simulation and the patient ECG data. The heart rate in the patient data was obstructed by movements and artificats during the seizure. Therefore we must omit the heart rate from movement.