**WEEKLY REPORT**

**Group # and Name:** May1615 Portable ECG Atrial Fibrillation Detection

**Client/Advisor:** Mani Mina, Rakshak Sarda, Benjamin Sjulson

**Attendees/Role:**

Ian Abbott

Nic Dubois

Aaron Melcer

Donathan Morgan (Leader, Communicator, and Connector)

Keegan Mumma

Seth Rickard

**Past week accomplishments (please describe as what, who, when)**

* The Electrical Engineers group was able to order some components necessary for the analog circuit and researched alternatives for instrumentation amplifiers that.
* The Computer Engineers group researched how to program the microcontroller.
* We also worked to determine a project plan.

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

* The EE group will look into how we would like to prototype the circuit while we wait for the parts to arrive. We may also get into prototyping in the next week if possible.
* The CprE group plans on researching ways to prototype and program the microcontroller as well as ordering the microcontroller and equipment that will be needed to program it if necessary.

**Pending issues**

* Once each group has developed a working prototype, we will need to start building together to be sure they are integrated well.
* We will need to determine more precise methods of measuring if our prototypes are working properly.

**Individual contributions**

* + Nic Dubois and Aaron Melcer started and worked on most of the Project Plan.
  + Keegan Mumma researched how to program the microcontroller.
  + Donathan, Nic, and Aaron determined replacements for the instrumentation amps and Donathan and Aaron ordered them.
  + Seth Rickard helped to finish the Project Plan.

**Individual hourly contribution**

|  |  |  |
| --- | --- | --- |
| **NAME** | **Hours This Week** | **HOURS**  **Cumulative** |
| Ian Abbott | 2 | 9 |
| Nic Dubois | 3 | 10 |
| Aaron Melcer | 3 | 10 |
| Donathan Morgan | 2 | 9 |
| Keegan Mumma | 2 | 9 |
| Seth Rickard | 2 | 9 |

**Comments and extended discussion**