**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 the components necessary for the analog circuit and researched alternatives for instrumentation amplifiers.
* The Computer Engineers group researched how to program the microcontroller and are now looking for parts to order.
* Completed project plan.
* We have a working website.

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

* The EE group is working to prototype the circuit. We are still waiting 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**

* EE group working to prototype the analog circuit.
* CE needs to program the microcontroller using the TI.
* We will need to determine more precise methods of measuring when we have the integrated ECG working properly.

**Individual contributions**

* + Nic Dubois and Aaron Melcer started and completed most of the Project Plan.
  + Donathan, Nic, and Aaron determined replacements for the instrumentation amps and Donathan and Aaron ordered them.
  + Seth Rickard and Ian Abbott helped to finish the Project Plan and found the micro controller.
  + Keegan Mumma researches.

**Individual hourly contribution**

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| --- | --- | --- |
| **NAME** | **Hours This Week** | **HOURS**  **Cumulative** |
| Ian Abbott | 2 | 11 |
| Nic Dubois | 2 | 12 |
| Aaron Melcer | 2 | 12 |
| Donathan Morgan | 2 | 11 |
| Keegan Mumma | 2 | 11 |
| Seth Rickard | 2 | 11 |

**Comments and extended discussion**