**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 Melcep

Donathan Morgan (Leader, Communicator, and Connector)

Keegan Mumma

Seth Rickard

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

* The Electrical Engineers group has decided on a circuit to start working with and have started to gather components to attempt to build a prototype.
* The Computer Engineers group has settled on a microcontroller that should work for our needs and are working on ordering one to get started with their prototype.

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

* The EE group is planning on ordering the rest of the necessary instrumentation amplifiers necessary to begin prototyping and will attempt to start building the circuit if possible.
* The CprE group plans on researching ways to prototype and program the microcontroller and gather what is necessary to do so.

**Pending issues**

* Once each group has developed a working prototype, we will need to start building together to be sure they are integrated well.

**Individual contributions**

* + Each EE did research individually on circuitry for heart rate detection and amplifiers necessary for it.
  + The EE group as a whole met to do further research and settle on a starting circuit and components.
  + Each CprE researched microcontrollers and Bluetooth implementation individually.
  + The CprE group met to decide on a microcontroller to order.

**Individual hourly contribution**

Thus far everyone has had equal contributions by participating and communicating very well. Each has done individual work on the side as well as input during group meetings.

|  |  |  |
| --- | --- | --- |
| **NAME** | **Hours This Week** | **HOURS**  **Cumulative** |
| Ian Abbott | 2 | 7 |
| Nic Dubois | 2 | 7 |
| Aaron Melcep | 2 | 7 |
| Donathan Morgan | 2 | 7 |
| Keegan Mumma | 2 | 7 |
| Seth Rickard | 2 | 7 |

**Comments and extended discussion**