**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 have finished building the circuit and tested to see if it works. It is a working circuit so that is good news to us. We struggled for a brief period of time because we had a few components that were not needed in the circuit.
* The computer Engineers now have the microcontroller but the current microcontroller that we have in a difficult one to implement so we will have to replace it with one that’s easier to use for our construct.
* Discussed the circuit design more and programing for the microcontroller in meetings and went to the part shop in Coover.

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

* Now that we have a working circuit our plan will be to do more test on the circuit and to try to implement it in a way that works for the CE’s.
* The CE’s group plans to finish more programing on the microcontroller.

**Pending issues**

* EE group wants to have good test results for the ECG circuit as well as make working parts so that the CE’s can implement their part easily.
* We will need to determine precise methods of measuring when we have the integrated ECG working properly.
* CE still needs to program the microcontroller using the TI.

**Individual contributions**

* + Nic Dubois, Aaron Melcer, and Donathan Morgan have finished building the design for the analog circuit and have now begun to test it.
  + Seth Rickard, Ian Abbott, and Keegan Mumma now are researching and working to programing the proper microcontroller.

**Individual hourly contribution**

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| --- | --- | --- |
| **NAME** | **Hours This Week** | **HOURS**  **Cumulative** |
| Ian Abbott | 3 | 23 |
| Nic Dubois | 3 | 24 |
| Aaron Melcer | 3 | 24 |
| Donathan Morgan | 3 | 23 |
| Keegan Mumma | 3 | 23 |
| Seth Rickard | 3 | 23 |

**Comments and extended discussion**