**WEEKLY REPORT**

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

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

**Attendees/Role:**

Ian Abbott (Web Designer)

Nic Dubois (Hardware Integration)

Aaron Melcer (Hardware Collaborator)

Donathan Morgan (Leader, Communicator, Connector, Hardware Collaborator)

Keegan Mumma (Software Collaborator)

Seth Rickard (Software Integration)

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

* We met up to discuss pending issues with our project. We worked on the circuit board to try to eliminate some of the noise in the circuit. We met up with our advisor Mani to discuss our concerns.

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

* We plan to continue weekly meetings on Tuesdays and Thursdays at 2pm and also on Saturdays
* The EE’s have problems with getting a signal from the ECG circuit so we plan to meet up with Tuttle to see if he could provide any insight for how to reduce the noise and get a clearer signal.
* The CE’s group plans to finish more programing on the microcontroller in the coming weeks.

**Pending issues**

* Noise and signal retrieval in circuit ECG design.
* We need 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 but we are having problems with the feedback and noise.
  + Seth Rickard and Keegan Mumma now are researching and working to programing the microcontroller. The Bluetooth stack is building on the chip
  + Ian Abbott was able to establish a Bluetooth connection to the app, but there is an error in sending the data

**Individual hourly contribution**

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| --- | --- | --- |
| **NAME** | **Hours This Week** | **HOURS**  **Cumulative** |
| Ian Abbott | 7 | 46 |
| Nic Dubois | 3 | 41 |
| Aaron Melcer | 3 | 41 |
| Donathan Morgan | 3 | 40 |
| Keegan Mumma | 3 | 40 |
| Seth Rickard | 6 | 46 |

**Comments and extended discussion**