**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 discussed pending issues.

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

* We plan to meet up as a group before we meet up with Mani and George.
* We plan to see George Amariucai at 8am and Mani Mina at 2pm Thursday to initiate the senior design II phase of our projects.
* We also plan to meet Saturday at 10pm as a group.
* The EE’s have problems with getting a signal from the ECG circuit so we will be working on the circuit to find out what is wrong with it in the coming weeks.
* 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 is now are researching and working to program the microcontroller.
  + Ian Abbott, and Keegan Mumma are working on improving the android application. Ian is working on getting Bluetooth connectivity and Keegan is working on getting the heartrate graph to display properly.

**Individual hourly contribution**

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| --- | --- | --- |
| **NAME** | **Hours This Week** | **HOURS**  **Cumulative** |
| Ian Abbott | 4 | 34 |
| Nic Dubois | 4 | 35 |
| Aaron Melcer | 4 | 35 |
| Donathan Morgan | 4 | 34 |
| Keegan Mumma | 4 | 34 |
| Seth Rickard | 4 | 34 |

**Comments and extended discussion**