

Wireless ECG

Logbook

by

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Group: 13

Supervisor: Xiaodai Dong
Due: October 16, 2012

Meeting #1
Friday, October 5th, 2012

Attendees: Mike Chester, James Hollinger, Kurt Matzanke, Tristan Sturgess, and John Tran.

Non-attendees: Dylan Griff, James Parry, Peter Scholten.

Discussion:

- 1) Met with Xiaodai Dong to discuss the Wireless ECG Project.
- 2) The group will be split into hardware and software teams.
- 3) Two sample reports were given as a guideline.
- 4) Discussed several existing alternatives using smartphones.

Objectives for next meeting:

- 1) Decide group members for software and hardware teams.
- 2) Conduct general research and investigate smartphone applications.
- 3) Investigate what an electrocardiogram is.

Meeting #2
Thursday, October 11th, 2012

Attendees: Mike Chester, Kurt Matzanke, Tristan Sturgess, Dylan Griff, James Parry, Peter Scholten, and John Tran.

Non-attendees: James Hollinger.

Discussion:

- 1) Assembled most of the group to discuss teams
- 2) Hardware team: Mike Chester, James Hollinger, Tristan Sturgess, and John Tran
Software team: Dylan Griff, Kurt Matzanke, James Parry, Peter Scholten

Objectives for next meeting:

- 1) Write interim report

From here onward our groups operated independently to work on the final report

Meeting #3
Sunday, October 14th, 2012

Attendees: Mike Chester, James Hollinger, Tristan Sturgess, and John Tran.

Discussion:

- 1) Determined that another meeting with our supervisor is required in order to find concrete deliverables and deadlines.
- 2) Made progress on interim report

Objectives for next meeting:

- 1) Meet with supervisor

Meeting #4
Monday, October 15th, 2012

Attendees: Mike Chester, Tristan Sturgess, and John Tran.

Non-attendees: James Hollinger

Discussion:

- 1) Defined the motivation for our project, and why it is needed.
- 2) Cited some alternative approaches to our proposed project.
- 3) Set up tentative schedule for the components of the design.

Objectives for next meeting:

- 1) Review interim report for submission.
- 2) Meet with supervisor and discuss project.

Meeting #5
Thursday, Monday 22nd, 2012

Attendees: Mike Chester, John Tran, James Hollinger and Tristan Sturgess.

Non Attendees:

Discussion:

- 1) Broke report into sections we would need to cover.
- 2) Researched a bit about filters and filter design.
- 2) Discussed different approaches to the project.

Objectives for next meeting:

- 1) Review previous meetings goals.
- 2) Set goals to accomplish for next deliverable.

Meeting #6
Sunday, November 4th, 2012

Attendees: Mike Chester, John Tran, James Hollinger and Tristan Sturgess.

Non Attendees:

Discussion:

- 1) Began researching our individual sections.
- 2) Planned out a website design, figured out what content should be on it.
- 3) Discussed our current work on the report and what should be updated.
- 4) Researched different ECG signals and how to interpret them.

Objectives for next meeting:

- 1) Keep working on report.
- 2) Peer review current work, research more about ECG hardware.

Meeting #7
Saturday, November 10th, 2012

Attendees: Mike Chester, John Tran, James Hollinger and Tristan Sturgess.

Non Attendees:

Discussion:

- 1) Reviewed each others work and progress made.
- 2) Planned out section headers in report, and what still needed to be covered.
- 3) Researched alternative approaches and how they can be adapted to our design.

Objectives for next meeting:

- 1) Review each others work, review what still needed to be accomplished.

Meeting #8
Sunday, November 18nd, 2012

Attendees: Mike Chester, John Tran, James Hollinger and Tristan Sturgess.

Non Attendees:

Discussion:

- 1) Reviewed each others work.
- 2) Finished up most of our sections, need to discuss with supervisor and make any changes that are mentioned.
- 3) Finish our research for specific parts of our report.
- 4) Put final touches on our website.

Objectives for next meeting:

- 1) Proofread our final report.
- 2) Meet supervisor and discuss report, and make needed changes.

Meeting #9
Thursday, November 22nd, 2012

Attendees: Mike Chester and John Tran

Non Attendees: James Hollinger and Tristan Sturgess.

Discussion:

- 1) Spoke to Xiaodai and went to the graduate studies lab to look at the CC2540 bluetooth low energy development kit.

Objectives for next meeting:

- 1) Integrate the CC2540 into our final report

Meeting #10
Saturday, December 1st, 2012

Attendees: Mike Chester, John Tran, James Hollinger, and Tristan Sturgess.

Non Attendees:

Discussion:

- 1) Integrated the CC2540 into our report.
- 2) Put final touches on our report.
- 3) Finalized all information on our report.

Objectives for next meeting:

- 1) Proofread our report and prepare it for marking.