Week 8
Anesthesia Monitoring System

Client Contact: Dr. McIsaac@ Hartford Hospital
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Objectives

- Timothy is trying to obtain a program that is capable of networking with the S/5 Avance and the Solar 8000i Monitor.
- Nathan is developing a program that will transmit the captured data to a PDA and send and display it.
- Kane is researching integration between Blackfin and an LCD screen using microcontrollers.
Equipment received

- We obtained two PDA’s
  - One was Timothy’s Old Cell phone, Cingular 8525
  - Second is Timothy’s new Cell phone, BlackBerry® Curve 8300
  - The other is Dr. McIsaac’s old PDA
Equipment Received

- Also we obtained the USB to RS422/RS485 serial adapter
Work Accomplished

- Obtained equipment.
- A new program was designed by Timothy to test with the converter.
- A new program was designed by Nathan for transmitting to a PDA
  - An emulated PDA was used for testing the program.
  - Testing revealed that there is a problem between the emulated PDA and the Server. Both of which are on the same computer.
Work Accomplished, cont.

- Kane got sample code for controlling and initializing a graphic LCD display
- Began work on determining a layout for the LCD design
Future Work

- Timothy is going to continue working on the data acquisition program with labview and testing the new converter and trying to work with new data.

- Nathan is going to continue to focus on the design of the PDA transfer data program. Obtain the three PDAs and test the program between a laptop and PDA via TCP/IP.
  - Once the connection has been verified, which will be the majority of the work, Nathan will implement code to allow the selection and manipulation of the data from the PDA.

- Kane is going to continue work with the LCD, and order the microcontrollers and other parts once they are determined.
Project Review

- Parts have been ordered which allows us some room to work with them and test.
- Time is being set aside to go to Hartford hospital for testing by Timothy
- Contacts to Technical support have been made to help with data acquisition
Hours Worked

- Timothy - 12
- Nathan - 15
- Kane - 11