Anesthesia Monitoring System

Client Contact:
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Weekly Progress

- Nathan established communication between two PDAs and a Lab Computer.
  - Palm Tungsten C and Cingular 8525 (Windows Mobile)
    - Palm Tungsten C can’t be used unless we get additional drivers for LabView.
  - Tested a LabView program on Timothy’s PDA.
    - Received error: 10060, 87. Both are communication errors.
    - The server times out
Weekly Progress

- Timothy Traveled to HH for testing.
  - Used HyperTerminal in additional to the LabView VI “Measurements and automation”
    - These two programs are used for trouble shooting the current problems with the serial converters
    - They determined which com port to use and if it was recognized.

- Purchased a new Rs-232 to USB converter, the previous converter was defective.

- Timothy obtain Bis sample data, which he immediately parsed and displayed
Weekly Progress

- Kane obtained a PIC microchip and LCD screen from the storeroom
  - LCD is Optrex DMC 40457
  - PIC16F877-20/P

- Using Microchip debugger and Qik Start development board
Future Work

● Nathan will continue trouble shooting the PDA to Computer communication.
  – Weekly Goal: retrieve any data from the computer and display it on the PDA.
    ● Completing that task, he will program a VI specifically for HH.
● Timothy will return to HH to continue testing with the new hardware.
  – Weekly Goal: Communicate with the SolarI8000 and get a stream of data.
● Kane will write a C code program to display information on our LCD screen
  ● Weekly Goal: Outline display code for LCD screen and begin to modify Timothy’s LabVIEW program to run off Blackfin chip.
Hours Work

- Nathan 16
- Timothy 23
- Kane 15