October 2008 Meeting notes and Updates

Oct 10th
  o Gabe completed a sensor wiring diagram.
  o Team completed DFMEA
     To do:
       Schedule design review w. Dr. Wall and Dr. Wagner
       Figure out some display options for the signals

Oct 13th
  o Second Semester Design Review
    - Dr. Wall and Dr. Wagner attended the presentation.
    - Issues:
      ▪ Research the effect of temperature on LEDs
      ▪ Determine a viable method for dimming the LEDs
      ▪ Re-do timing diagram
      ▪ !!! Lower voltage on the buttons from 120Vac to around 5V !!!
      ▪ Update wiring diagram
      ▪ Research buzzer specs
      ▪ Update DFMEA to include “before controls”
      ▪ TAKE BETTER NOTES IN LOGBOOKS!

Oct 21st
  o Team meeting with Dr. Wagner
  o Team meetings and advisor meetings, LOGBOOKS
  o Make better decisions about when and how things are to be completed

Oct 23rd
  o Team Meeting
    o Gabe went over his sensors with the team
      - Will create some diagrams to show Voltage and Current responses to Light and temperature.
    o Nate needs to update the website with wiring diagrams, DFMEA, Notes
    o Jack will work on report
    o Issue: COMUNICATION!

Oct 27th
  o Group meeting with Dr. Wagner
  o Covered button voltage change
    - we will lower the button voltage by using the 2411’s analog card to output about 5V
• Allows for a cheaper buzzer
• SAFTEY!
  o Changes still need to be made to the DFMEA and other documents
  o Website still needs update

Oct 30

• Team meeting
• Questions about sensors
  • Test for voltage temp responses
  • Test for failure? (Do the sensors go to 0V when in darkness?)
• Reviewed possible light dimming voltage step down
  • Diodes/resistors (cheapest easiest)
  • Transformers (the standard way)

• Covered some report formatting and some other items needed for the report.
  • Executive summary
  • Other small changes
• Need $$ from Johnson
• Website update