Faculty Meeting  
Tuesday September 25, 2007  
Team D.E.A.D.S  
Presence: Dr. Johnson, Justin Dick, Ngoc Du, Lassen Loop

**Agenda:**

1) Updates tasks from last week  
2) Current tasks needed to be done by team and individuals

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1) Updates tasks/discussions

- Reordering of receiver and housing has not arrive. Need to double-check with the companies about shipping status. Team needs receiver to test compatibility with microcontroller code and the rest of system.

- Team discussed solution for timing knob:
  
  Currently team will use available timing knob/variable resistors by Greg of ECE’s shop for system prototype. Eventually, we will need to have a timing knob soldered to box/housing to provide control to microcontroller.

- The receiver and microcontroller will use momentary latching to send/receive data.
  
  Since Basic Stamp (BS1 model) microcontroller doesn’t support interrupt. Timing solution will base on using polling: stop execution when program finishes.

- Team will need to set up an appointment with client to present solution so far since last time we met; discuss progress so far before going further with system integrations.

2) Current tasks for team/members

**Justin:**

- Set up appointment with client/Dave within the next two weeks for a mid-design review/presentation.
- Wire/solder the bridge to microcontroller and test for reliable current draw

**Lassen:**

- Continue to work on housing
- Check with Greg for timing know and integrate to system for prototype

- Work with Ngoc on designing timing scheme for detection
Ngon:
- Develop polling scheme and code for microcontroller to implement system’s timing detection scheme
- Investigate microcontroller’s support for accepting analog input
- Develop code for using table values to simulate random timing for open/close valve

Travis:
- Double-check on ordering/shipping status on the new housing and receiver
- Team support with additional testings/wiring.