Faculty/Team Meeting  
April 3, 2007  
Team D.E.A.D.S  
Presents: Dr. Johnson, Ngon Du, Justin Dick, Lassen Loop

**Agenda:**

1) Team’s discussion on sensor technologies submitted so far  
2) Narrow down top sensor choices and use decision matrix to select the final design  
3) Overview of preliminary design  
4) Other/Next goals

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- Review the decision matrix for each sensor. Discussed about the weights rated by each member.  
- The Globalab sensor was rated the top pick for the sensor option. The detection range will vary with temperature. The hot weather will reduce down the detection range.  
- For team preliminary design with client: go over the overview of the projects, integration issues, what we could expect once we reach integration stage.  
- Is possible to come up with a different communication scheme to help detection range?  
- Is the battery life going to be effected by the weather?  

- Read the past preliminary design presentations from senior design webpage:  
  - Pay attention to the budget, give client a heads-up schedule for the fall.  
  - At this stage, prototyping is all narrow down at the subsystems-level and see if they work individually. By the fall, we will do systems integration.

**Team Meeting assessment:**  
- What’s the team is doing well so far at the meeting?  
  - Have defined objectives  
  - Everyone knows the goals prior to meeting  
  - We assessed our current standings schedule and figure out how much we need to accomplish for next meeting  
  - Good communication  
- What’s the team should be doing in order to be effective at each meeting?  
  - Try to limit dead time: have one person to lead each meeting and try to follow the agendas for that meeting (eventually, we could appoint one person to take this role for each meeting)  
  - Set goals/agendas for next meeting at the end of each meeting.
Next week agendas: 1) Schedule with client for presentation
   2) Presentation preparation
   3) Rehearsal for preliminary design

Important Note: New team day/time meeting
When: Monday: 8:30am
Where: HP Lab

Homeworks/Goals:
1) Look at preliminary design review and design review form on web site before the review on Tuesday.

2) Solenoids/valves research: 2 products with specs.; power consumption based on Number of triggering/day; cost under $80

3) Everybody fill out their availability date/time on Google Calendar for client presentation