Progress Report 10  
11/4/05-11/10/05

Project Title: Warning system for wheelchair

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Problem Statement:
Our goal is to design a custom warning system for a girl with cerebral palsy so that others in her path will be warned of her presence. Currently there is no system that can be attached to her wheelchair to alert the person controlling her wheelchair of any incoming traffic.

Restatement of team goals:
1. Create Problem statement
2. Create First draft of PDS
3. Begin to research and develop design ideas
4. Continue the design project.
   a) Research all possible background information.
   b) Research existing and design alternatives
   c) Brainstorm for all possible solutions
   d) Meet with experts to gain ideas about possible solutions
e) Develop possible design solutions
5. Choose final three design solutions
6. Develop final three solutions
7. Create Power point presentation
8. Finish mid semester report, PDS
9. Discuss possible final design alternative
10. Finalize Design
11. Build and test prototype
12. Present final design

**Last week’s goal**
1. Completed circuit building

**Summary of Team Accomplishments:**
1. Completed circuit building

**Summary of Individual Accomplishment:**
1. YikNing wrote progress report and researched for buzzer
2. Jimmy researched for a way to wrap the cord and buzzer
3. Farshad and Tyler researched for lights

**Statement of Team Goals:**
1. Build the external for the circuit.
2. Apply circuit to the wheelchair

**Project Schedule:**
9/2–9/8 Form team, select project, contact client, assign team roles, set up client meeting
9/9 Initial client Meeting
9/9–9/15 Literature search, meeting with client, create problem statement, begin PDS
9/16–9/22 Develop PDS, brainstorming, begin developing alternative designs
9/23–9/29 Brainstorming, developing alternative designs
9/30–10/6 Finalize three alternative designs
10/7–10/13 Finalize written report and PDS, finalize oral presentation
10/14 Oral Presentations
10/14–10/20 Hand in written report with PDS. Submit notebooks for advisor review.
10/21–10/27 Choose and develop final design.
10/28–11/3 Continue work on final design, poster
11/4–11/10 Continue work on final design, poster
11/11–11/17 Continue work on final design, poster
11/18–11/24 Continue work on final design, poster
11/25 Thanksgiving
11/25–12/1 Continue work on final design, poster
12/2–12/6 Final poster presentation
12/7 Hand in final report, notebooks
12/9 Final meeting with advisor
**Difficulties:**
We have problem on attaching the lights on the wheels. Since there is a cord connecting the light and the control panel, there is a cord wrapping problem.

**Activities:**

Team: In-class meeting (2 hr).

YikNing: 1 hr – Progress report, Research for buzzer

Tyler: 1 hr – Research for lights, notebook

Farshad: 1 hr – Research for lights, website

Jimmy: 1 hr – Researched for buzzers and cord wrapper

Team total hour for this week: 6 hrs
Cumulative team hours to date: 87.75 hrs