Project Title: Warning system for wheelchair

Team Members:
YikNing Wong, Team Leader  
ynwong@wisc.edu  
608-695-9281
Tyler Witt, Communicator  
tdwitt@wisc.edu  
608-264-0929
Farshad Fahimi, BWIG  
ffahimi@wisc.edu  
608-661-6061
Jimmy Fong, BSAC  
fong@wisc.edu  
312-799-0278

Client:
Sandy Rodriguez  
UW Vascular Clinic  
Phone: 608-263-4341  
Email: rodrig@surgery.wisc.edu

Advisor:
John G. Webster  
1550 Engineering Drive, Rm. 2148  
Phone: 608-263-1574  
Email: webster@engr.wisc.edu

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
c) 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. Obtained suitable switches and lights

Summary of Team Accomplishments:
2. Obtained suitable supplies: switches and lights

Summary of Individual Accomplishment:
1. YikNing wrote progress report and researched for housing of circuit
2. Jimmy researched for housing of circuit
3. Farshad and Tyler researched for switches
4. Tyler obtained the switches

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:**
None so far.

**Activities:**

Team In-class meeting (1.5 hr).
YikNing 1 hr – Progress report, Researched for housing of circuit
Tyler 3 hr – Researched for switches, obtained supplies
Farshad 1.5 hr – Researched for switches, obtained supplies
Jimmy 1 hr – Researched for housing of circuit

**Team total hour for this week: 8 hrs**
**Cumulative team hours to date: 95.75 hrs**