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   fong@wisc.edu
   608-264-1680
Jimmy Fong, BSAC   ffahimi@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
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 mid-semester report and PowerPoint slides
2. Completed circuit design

Summary of Team Accomplishments:
1. Completed PowerPoint presentation
2. Completed mid-semester report

Summary of Individual Accomplishment:
1. YikNing wrote progress report

Statement of Team Goals:
1. Build the circuit design
2. Build external for the circuit design

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 (2 hr).
YikNing        6.5 hrs – Progress report, mid-semester report, circuit design, notebook, group meeting (1.5 hr)
Tyler          7 hrs – Mid-semester report, notebook, group meeting (2 hr), notebook
Farshad        5 hrs – Mid-semester report, notebook
Jimmy          4.5hrs – Mid-semester report, notebook, group meeting (2 hr)

Team total hour for this week: 25 hrs
Cumulative team hours to date: 74.75 hrs