

Progress Report 9

10/28/05-11/3/05

Project Title: Warning system for wheelchair

Team Members:

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

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. Set up the circuit

Summary of Team Accomplishments:

- 1. Set up the circuit for the buzzer and light.

Summary of Individual Accomplishment:

- 1. YikNing wrote progress report
- 2. Farshad obtained information for the wheelchair
- 3. Jimmy researched for switches and tested with and built a testing circuit with switches and light bulb

Statement of Team Goals:

- 1. Build the circuit
- 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	Brain storming, 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 1 hr – Progress report, circuit design

Tyler 0.5 hrs – Circuit design, notebook

Farshad 1 hrs – Circuit design, research on wheelchair

Jimmy 2.5 hrs – Researched for sealed switches, built test circuit

Team total hour for this week: 5 hrs

Cumulative team hours to date: 81.75 hrs