

Fundus Reading Hood

Client: Dennis G. Hafford

Team Members: Leah Brandon (*Leader*)
Adam Dahlen (*Communications*)
Nathan Kleinhans (*BWIG*)
Sara Worzella (*BSAC*)

Advisor: John Webster

December 2 to December 7, 2005

Problem Statement

The goal of this project is to develop a monitor hood that will block ambient light. This hood must comply with the following specifications. The length must be adjustable and extend out 2 ft while keeping the monitor viewable at any length. It must be easily removable with a small footprint when stored, or will open up without requiring any space allowing regular viewing modality. There cannot be a footprint behind the monitor and it must taper to a closed viewing port of approximately 8 1/4" by 2 3/8". Also, the hood should be self-supporting (no legs when extended) with an adjustable angle of view to allow grader to maintain good posture.

Summary of Team Accomplishments for the week

- Finished modifications to prototype
- Held semester wrap-up meeting
- Contacted client about presentation change
- Finished final paper
- Updated production costs

Current Week's Goals

- Present prototype
- Final advisor meeting
- Tie up all loose ends

Project Difficulties

• None. Our project was completed on Thursday Dec. 1st. This week we completed the paper and practiced the presentation. No problems arose.

Project Schedule

Week1-2	worked on separate project
Week 3	meet with client, literature search, develop PDS as a team
Week 4	brainstorm design ideas
Week 5	decide on three alternative designs
Week 6	work on oral presentations and written report
Week 7	oral presentations: hand in report, PDS, design notebooks
Weeks 8-11	decide upon final design, work on prototype
Weeks 12-14	prepare for final presentations (Dec 9), finish final design
Week 15	hand in written report and notebook to advisor (Dec 7) and final advisor meeting (Dec 12-16)

Activities

Leah Brandon:

Prototype	10.5 hrs
Presentation and Paper	3 hrs
Team Meetings	2.75 hrs
Wrap-up & book keeping	6.5 hrs
Progress report	.5 hrs
Total	23.25 hrs

Adam Dahlen:

Presentation and Paper	5 hrs
Team Meetings	2.75 hrs
Wrap-up and book keeping	4 hrs
Total	11.75hrs

Nathan Kleinhans:

Prototype	5 hrs
Presentation and Paper	2 hrs
Team Meetings	2.75 hrs
Wrap-up and book keeping	2 hrs
Total	11.75 hrs

Sara Worzella:

Prototype	6.5 hrs
Team Meetings	2hrs
Presentation and Paper	2.75 hr
Wrap-up and book keeping	4 hrs
Total	15.25 hrs

Team Total Hours this week: 62 hrs

Team Total Hours to date: 272.33 hrs

Expenses:

Item	Production Costs
(2) 1/8" X 2" X 36" Steel Plate	18.96
3' Black Velcro	1.99
Black Thread	1.99
Suraline Fabric	13.23
Ripstop Nylon	8.58
Deco Fabric	15.95
Black Corse Elastic	1.98
(5) RC Antenna	29.95
Plastic Steel Epoxy	3.99
1/4" X 2" X 36" Steel Plate	4.77
1/4" X 2" X 36" Steel Angle Gauge	14.77
(4) 3/4" Steel Cubes	1.00
Screws and Washers	2.38
(4) D-Rings	2.20
Nylon Straps	2.82
Fray Sealer	3.69
Total Tax	7.04
Total	135.29