

Fundus Reading Hood

Client: Dennis G. Hafford

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

Advisor: John Webster

October 28 to November 3, 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

- Obtained materials
- Blueprints of attachment pieces
- Solutions to monitor attachment problem

Current Week's Goals

- Begin Construction of attachment pieces
- Blueprints of hood requirements
- Obtain epoxy

Project Difficulties

• The problem with attaching the hood to the monitor has been resolved. No other problems have arisen as of yet. Construction will begin this week..

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 2), finish final design
Week 15	hand in written report and notebook to advisor (Dec 7) and final advisor meeting (Dec 9)

Activities***Leah Brandon:***

<i>Obtaining materials</i>	<i>2 hrs</i>
<i>Team meeting</i>	<i>.5 hrs</i>
<i>Blueprints</i>	<i>.5 hrs</i>
<i>Progress report</i>	<i>.5 hrs</i>
<i>Total</i>	<i>3.75 hrs</i>

Adam Dahlen:

<i>Obtaining materials</i>	<i>3.5 hrs</i>
<i>Team meeting</i>	<i>.5 hrs</i>
<i>Blueprints</i>	<i>.75 hrs</i>
<i>Total</i>	<i>4.75 hrs</i>

Nathan Kleinhans:

<i>Team meeting</i>	<i>.5 hrs</i>
<i>Blueprints</i>	<i>.75 hrs</i>
<i>Total</i>	<i>1.25 hrs</i>

Sara Worzella:

<i>Team meeting</i>	<i>.5 hr</i>
<i>Blueprints</i>	<i>.75 hrs</i>
<i>Total</i>	<i>1.25 hrs</i>

Team Total Hours this week: 11 hrs**Team Total Hours to date: 103.33 hrs****Expenses:**

Velcro	1.99
Thread	1.99
Suraline Fabric	10.98
Ripstop Nylon	8.58
Deco Fabric	15.85
Antennas	31.6
Steel plates	20.00
Total	90.99