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

Week 1-2 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:**
- Obtaining materials: 2 hrs
- Team meeting: .5 hrs
- Blueprints: .5 hrs
- Progress report: .5 hrs
  - **Total**: 3.75 hrs

**Adam Dahlen:**
- Obtaining materials: 3.5 hrs
- Team meeting: .5 hrs
- Blueprints: .75 hrs
  - **Total**: 4.75 hrs

**Nathan Kleinhans:**
- Team meeting: .5 hrs
- Blueprints: .75 hrs
  - **Total**: 1.25 hrs

**Sara Worzella:**
- Team meeting: .5 hr
- Blueprints: .75 hrs
  - **Total**: 1.25 hrs

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**Team Total Hours this week:** 11 hrs

**Team Total Hours to date:** 103.33 hrs

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**Expenses:**

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<tr>
<th>Item</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Velcro</td>
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