

## Progress Report 12

**Project Title:** Medical Device Cart  
**Team Members:** Joe Cabelka, Jennifer Wager, Emily Andrews, Tony Schuler  
**Client:** Peg Rickard, Art Kealy Viasys  
**Advisor:** Prof. Block  
**Date:** 11/30/06-11/7/06

**Problem Statement:** Our goal is to develop an ergonomically correct medical device cart to house all components of an EEG machine that will facilitate rapid work flow and alleviate problems with current carts.

**Restatement of Team Goals:** Finish fabrication and prepare presentation

### **Individual Goals:**

Joe Cabelka:

1. Continue/Finish building
2. Prepare presentation

Jenny Wager:

1. Continue/Finish building
2. Prepare presentation

Emily Andrews:

1. Continue/Finish building
2. Prepare presentation

Tony Schuler:

1. Continue/Finish building
2. Prepare presentation

### **Summary of Accomplishments:**

1. Incorporation of individual designs into overall design
2. Completion of presentation

### **Summary of Team Goals:**

1. Finish fabrication (combine individual components)
2. Complete presentation preparation

### **Project Schedule:**

9/18/06	Meet with client
9/19/06 – 10/12/06	Research, brainstorm, and develop PDS
10/06/06 – 10/19/06	Prepare oral presentation and Preliminary Design Report
10/20/06	Mid-semester oral presentation and PDR due
10/15/06 – 10/22/06	Decide on final design
10/22/06 – 12/07/06	Work on design and build prototype
11/27/06 – 12/07/06	Prepare final oral presentation
12/08/06	Final oral presentation

11/30/06 – 12/12/06  
12/15/06

Prepare final report, PDS, and design drawings  
Final meeting with advisor

**Difficulties:**

None

**Activities:**

Team:

1. Finalize Fabrication/Presentation (2 hrs)

Joe Cabelka:

1. Fabrication (4.5 hr)
2. Presentation Prep (2 hr)

-Emily and I cut the bottom of the cart to create an open footprint. We finalized the shelf spacing and re-arranged the system components. We also helped with incorporating all of the designs into the final cart. Individually, I spent time running over to Viasys to get some props for our presentation. I also spent some time editing our poster.

Jenny Wager:

1. Fabrication (2 hrs)
2. Presentation prep (3 hrs)

- This week I started thinking about the most effective way to present our improvements to the cart and started on the presentation. I also mounted the racking system for the cable management and assisted with other areas of fabrication on the cart

Emily Andrews:

1. Fabrication (4.5 hr)
  2. Presentation prep (1 hr)
- Joe and I finished up with the shelving and mounted the keyboard tray system. We also bought some supplies to help finish with the fabrication of the cart. I also started preparing for my part during the presentation.

Tony Schuler:

1. Fabrication (5 hr)
2. Update Website (30 min)

- This week I updated the website as usual. More importantly though, I finished up fabricating the push-bar. So far the mechanism for raising and lowering works very well, it is just a little hard to slide sometimes, but still moves fairly easily.

<b>Total Team Hours (x 4 people) for Week:</b>	<b>8.00</b>	<b>hours</b>
<b>Total Individual Hours for Week:</b>	<b>22.50</b>	<b>hours</b>
<b>Cumulative Team Hours to Date:</b>	<b>146.15</b>	<b>hours</b>