Motor Skills Tester

Client: Marina E. Emborg, M.D. Ph.D.
National Primate Research Center
Department of Anatomy

Team Members: Kailey Feyereisen (Leader)
Gina Stuessy (Comm’s)
Cali Roen (BSAC)
Lacey Halfen (BWIG)

Week of October 14 through October 21, 2006

Problem Statement
Design an apparatus to test the fine motor skills of rhesus monkeys that minimizes the cognitive portion of problem solving; should be easy to clean, durable, adjustable for human testing, and attach to cage securely.

Last Week’s Goals
• Meet on Monday and Wednesday to practice mid-semester presentation
• Begin individual portions of preliminary report
• Give presentation

Summary of Accomplishments
• Team Meeting (10/16): Assembled various parts of power point. Formatted presentation and practiced presenting aloud.
• Team Meeting (10/18): Finished formatting presentation. Practiced presenting and cemented plans for work on preliminary report (due Wednesday of this way).
• Mid-Semester Presentation (10/20): Gave our mid-semester presentation. Answered questions posed by advisors and BME students about designs.

This Week’s Goals
• PRELIMINARY REPORT: Assemble pieces of report and format. Due Wednesday.
• Fill out permission slips for machine shop
• Research materials
• Order or buy materials and begin construction on prototype

Individual Goals
Kailey: Prelim report, materials research
Gina: Prelim report, contact client for feedback about presentation & info about purchases to be made.
Cali: Prelim report, update website with report
Lacey: Prelim report, materials research

Rough Schedule
09/08-09/15: Met with client
09/15-09/22: Developed problem statement, researched, and began brainstorming
09/22-09/29: Continued brainstorming, assigned parts and assembled rough PDS
09/29-10/06: Developed preliminary design ideas, continued research, and began rough
draft of mid-semester report
10/06-10/13: Continued work on mid-semester presentation/paper parts
10/13-10/20: Assemble PowerPoint, give presentation, and assemble report
10/20-10/27: Edit report and turn it in, begin focus on final design, locate materials
10/27-11/03: Order materials and begin work on prototype
11/03-11/10: Continue work on prototype
11/10-11/17: Continue work on prototype and begin testing if possible
11/17-11/24: THANKSGIVING
11/24-12/01: Assign parts of presentation, paper
12/01-12/08: Assemble presentation, edit paper, and give presentation
12/08-12/15: Hand in final report

Difficulties
Budgeting time has been difficult, even though we try to stay ahead of deadlines. The
mid-semester presentation and preliminary report seemed to approach more quickly than
expected. The team has done an outstanding job of keeping with the tight schedule.
Kailey was late in sending the progress report for this reporting period due to unusual
circumstances that will not be repeated within the semester. It is not expected to happen
again.

Activities:

K a i l y :  Team meeting, work on presentation  2.5
G i n a :  Team meeting, work on presentation, emailing  5
C a l i :  Team meeting, work on presentation  3
L a c e y :  Team meeting, work on website, work on presentation  5

Hours to Date

K a i l y :  17.5
G i n a :  17
C a l i :  17.5
L a c e y :  16.5

Expenses

No expenses to date