

**Title:** Project 4: Primate Response

**Names: Team Members:** Corey Arnold, Mike Keller, Mike Mussallem, and Braden Rudolph. **Client:** Andy Roberts, Assistant Professor, Psychiatry and Medical Physics.

**Date:** 11-1 – 11-7

**Problem Statement:** To build a cage-mounted or wall mounted device for the quantitation of both fast (startle) and general motion and activity of the rhesus monkey that is also able to accommodate current cage dimensions, record data remotely and quantitate motion regardless of the monkey's position in the cage.

**Restatement of Team Goals:**

- To cut down the aluminum plate
- To make our Ethernet card work with the computer and amp we have.

**Summary of Accomplishments:**

- We were able to make the Ethernet card take readings from the amp.
- We took measurements of the cage and for Bill Hagquist to see.
- We set up a meeting with Bill on Friday at 1:00.

**Statement of Team Goals:**

- To meet with Bill on Friday.
- To possible start testing the force platform by putting weights on it.

**Schedule:**

WEEK	DATE	LECTURE TOPIC	ACTIVITIES
1	7-Sep	Intro and course expectations	Form teams, select project, contact client
2	14-Sep	Overview of the design process	Literature search, meet with client

3	21-Sep	PDS	Develop project understanding and PDS
4	28-Sep	Oral presentation guidelines	Brainstorm
5	5-Oct	Peer review of report drafts	Work on presentations, Advisor review of notebooks
6	12-Oct	Oral presentations	Hand in written report
7	19-Oct		Decide on final design
8	26-Oct		Work on design
9	2-Nov		Work on design
10	9-Nov	Ethics	Work on design
11	16-Nov		Work on design
12	23-Nov	Thanksgiving	Work on design
13	30-Nov		Work on design
14	7-Dec		Work on design
15	14-Dec	Final presentations	Hand in written report and notebook
17	Dec 17-21		Final meetings with advisors

### Difficulties:

- None as of now.

**Activities:** On 11-2 the group met for an hour or so and discussed what we were going to do that week. During this time, we also set up an appointment with Bill Hagquist for the following Friday. After that Corey and Mike M. went down to the Weisman center and got the computer to take readings from the amplifier. Mike K. and I went to the weisman center on 11-6 to take measurements of the cage and discuss what we were going to talk to Bill about on Friday.

### Weekly Time (In Team):

- Meeting on friday: 1hrs
- **Weekly Total: 1 hrs.**
- **Cumulative: 21.5 hrs.**

### Individual Time (Corey):

- Meeting and going to the weisman center on Friday: 3.5hrs
- **Total: 3.5 hr**
- **Cumulative: 38.75 hr**

### Individual Time (Mike K):

- Meeting on friday: 1hrs
- Going to the weisman center on Tuesday: 2hrs
- **Total: 3 hr**
- **Cumulative: 28.5 hr**

**Individual Time (Mike M):**

- Meeting and going to the weisman center on Friday: 3.5hrs
- **Total: 3.5 hrs**
- **Cumulative: 32.75 hrs**

**Individual Time (Braden):**

- Meeting on friday: 1hrs
- Going to the weisman center on Tuesday: 2hrs
- **Total: 3 hr**
- **Cumulative: 33.5 hrs**