

**Progress Report 1**  
September 8, 2005

**Project Title: EEG Biofeedback Device**

**Team Members:**

Ashley Anderson, Team Leader	aandersoniii@wisc.edu
Chris Wegener, Co-Leader	cjwegener@wisc.edu
Michele Lorenz, Communicator	lorenz@wisc.edu
Ryan Thome, BWIG	thome@wisc.edu
Shikha, BSAC	shikha@wisc.edu

**Client:**

Daniel Muller, MD, PhD  
Medicine (Rheumatology)  
Institute on Aging, Mind-Body Center  
2605 MSC  
UW-Madison  
265-2478      dmuller@wisc.edu

**Advisor:**

John Webster

**Date:** 09/08/05

**Problem Statement:**

(Project Description)

The goal of our project is to design and build an inexpensive, portable electroencephalogram (EEG - brain wave monitor) that teaches meditation practitioners to achieve optimal meditation by the presence of EEG alpha and theta waves.

**Restatement of team goals:**

1. Meet with client
2. Create Problem statement
3. Begin work on PDS
4. Begin research and design
  - a) Research all possible background information.
  - b) Research existing solutions
  - e) Develop possible design solutions
5. Continue research, design, and testing
6. Write Midterm paper
7. Create PowerPoint presentation
8. Discussed possible final design alternative
9. Finalize design
10. Build and test prototype

11. Present final design

**Project Schedule:**

09/02/05 – Choose team and project, set up meeting with client  
09/09/05 – Meet with client, background research, discuss PDS  
09/16/05 – 10/07/05 – Brainstorm, work on design  
09/07/05 – Finalize oral presentation  
10/14/05 – Oral presentations, written report, PDS, and notebooks are due  
10/14/05 – 11/18/05 – Work on design  
11/25/05 – Thanksgiving  
12/02/05 – Final poster presentations  
12/07/05 – Final written report, notebooks due  
12/09/05 – Final meeting with advisor

**Summary of Team Accomplishments:**

1. Decided on team roles
2. Began background research

**Summary of Individual Accomplishment:**

1. Michele set up a meeting with Dr. Muller
2. Ashley wrote the progress report

**Statement of Team Goals:**

1. Meet with client and clarify project statement
2. Begin work on PDS
3. Begin brainstorming for design
4. Begin work on website

**Difficulties:**

We have not run into any difficulties so far.

**Activities:**

Ashley – team meeting 0.5 hr  
--background research 1 hr  
--progress report 0.5 hr  
Chris – team meeting 0.5 hr  
--general research 0.5 hr  
Michele – team meeting 0.5 hr  
--communication with client 0.5 hr  
Ryan – team meeting 0.5 hr  
--general research 0.5 hr  
Shikha – team meeting 0.5 hr  
--general research 0.5 hr

**Team Total Hours for this week: 6**

**Cumulative Team Hours to date: 6**