

## **Communication\_Device**

### **The design of a phonetics-based augmentative device for children with significant communication disorders**

#### **Names:**

Brian Mogen (Leader)  
Steve Wyche (BSAC)  
Prachi Agarwal (BWIG)  
Erin Devine (Communicator)

**Client:** Dr. Lawrence Kaplan

February 27 – March 6, 2009

**Problem Statement: (Working Statement):** To design a device that allows people with communicative disabilities but motor functions to speak and express emotion with their voice. The device must provide immediate output, and it must be intuitive and accurate.

#### **Team Goals:**

Prepare Presentation  
Begin Testing  
Rehearse Presentation

#### **Individual Goals:**

Brian: Presentation - Design Ideas, Progress Report  
Erin: Presentation – Existing Devices, contact client  
Prachi: Presentation – Design Matrix/ Future Work  
Steve: Presentation – Intro, compile presentation slides

#### **Summary of Accomplishments:**

Presentation  
Invite Client to presentation  
Begin testing

#### **Statement of Team Goals (Next Week):**

Write Paper  
Testing

#### **Statement of Individual Goals (Next Week):**

Brian: Paper - Design Ideas, Progress Report, testing  
Erin: Paper – Existing Devices, contact client, testing  
Prachi: Paper – Design Matrix/ Future Work, testing  
Steve: Paper – Intro, compile presentation slides, testing

#### **Difficulties:**

None at this time

**Activities:**

Brian:

- Progress Report .5 hr
- Presentation/ practicing 1.5 hr
- Team meetings 2hr
- Preliminary assembly/testing 1hr

Erin:

- Contacted client .75 hr
- Presentation Prep 1.5 hr
- Team Meetings 2hr

Prachi:

- Presentation 1.5 hr
- Research – Packaging .5 hr
- Team meetings 2hr

Steve:

- Presentation – Slides 1.5 hr
- Presentation – Compling .5 hr
- Team meetings 2hr

**Time**

	<b>Brian</b>	<b>Erin</b>	<b>Prachi</b>	<b>Steve</b>	<b>Team</b>
<b>Week 1</b>	5	3	2	3	13
<b>Week 2</b>	4.5	4	2	1.5	12
<b>Week 3</b>	2.5	1.5	1	2	7
<b>Week 4</b>	3.5	2	2.5	2	10
<b>Week 5</b>	5	4.25	4	5	18.25
<b>Cumulative</b>	20.5	14.75	11.5	13.5	60.25

## Timeline

QuickTime™ and a  
TIFF (LZW) decompressor  
are needed to see this picture.