

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 6 – February 13, 2009

Problem Statement: (Working Statement): To design a device that allows children with communicative disabilities to speak and express emotion with their voice. The device must be intuitive and accurate.

Team Goals:

Background Research
Write PDS
Brainstorm

Individual Goals:

Brian: Research, prepare PDS
Erin: Research,
Prachi: Research
Steve: Research

Summary of Accomplishments:

Met with client
Examined existing devices
Decided on topics for brainstorm
Preliminary PDS

Statement of Team Goals (Next Week):

Brainstorm Designs
Update PDS
Background Research
Design Matrix

Statement of Individual Goals (Next Week):

Brian: Finish PDS, Product designs, Research
Erin: Continue Research, Product designs
Prachi: Continue Research, Product designs

Steve: Continue Research, Product designs

Difficulties:

None at this time

Activities:

Brian:

- Progress Report 1 hr
- Research (touch screen, phonetic sounds, database, vocal sounds, wheelchair design) 1 hr
- Prepared PDS 1 hr
- Met with Client 1.5 hr

Erin:

- Contacted client .5 hr
- Research (Mac Talk to speech, Garageband,) 2hr
- Met with Client 1.5 hr

Prachi:

- Research (existing designs, methods of attaching laptops to wheelchairs, sensors) 2hrs
- Bwig Meeting 1 hr

Steve:

- Met with client 1.5 hr

Time

	Brian	Erin	Prachi	Steve	Team
This Week	4.5	4	3	1.5	12
Cumulative	9.5	7	5	4.5	13

Timeline