

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

January 30 – February 6, 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:

Meet with Client
Background Research
Prepare client questions
Begin PDS

Individual Goals:

Brian: Research, prepare client questions
Erin: Research, set up meeting with client
Prachi: Research
Steve: Research prep client questions

Summary of Accomplishments:

Started significant background research
Set up meeting with client
Prepared client questions

Statement of Team Goals (Next Week):

Brainstorm
Finish PDS
Background Research

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:

Meeting with client (to be resolved Friday)

Activities:

Brian:

Progress Report 1 hr

Research (touch screen, voice database, vocal sounds, wheelchair design) 2.5 hr

Prepared client questions 1 hr

Organized team schedules .5 hr

Erin:

Contacted client 1hr

Research (Communicative disorders, effects of disorders on coordination) 2hr

Prachi:

Research (existing designs, methods of attaching laptops to wheelchairs, helpful contacts) 2hrs

Steve:

Research (on CP, existing technology, phonetic libraries) 2hr

Prepared client questions 1 hr

Time

	Brian	Erin	Prachi	Steve	Team
This Week	5	3	2	1	11
Cumulative	5	3	2	1	11

Timeline

To come after client meeting