

February 11, 2020
Mid-term Student Team Project Presentations



ENGR110/210

Perspectives in Assistive Technology



David L. Jaffe, MS
Instructor

14
Years

Questions?



Attendance Sheet, Meet with Dave Signup

For all students:

- Attendance Sheet
- Meet with Dave signup

For everyone:

- Mid-term Presentation Evaluation Form

A pink attendance list form titled "01a ENGR110/210 Enrolled Student Attendance List January 7, 2020". It features two columns for student names and a grid for recording attendance.

Attendance List

A sign-up form titled "Sign Up to Meet with Dave" with the instruction "Before class outside Lathrop 262 Other times in Peterson Building, Room 113". It includes a table for selecting dates and times.

Meet with Dave

An evaluation form titled "Mid-Term Student Team Project Presentations ENGR110/210: Perspectives in Assistive Technology". It includes instructions for filling out the form and a list of seven criteria for evaluation.

Evaluation Form



Mid-term Presentation Evaluation Form



Mid-Term Student Team Project Presentations

ENGR110/210: Perspectives in Assistive Technology

Please fill out with a pen.

Tuesday, February 11, 2020

Please write legibly.

I am: - a student, - faculty member, - community member, - other: _____

Thank you for attending this year's mid-term student team project presentations for ENGR110/210. Student teams have been addressing problems experienced by individuals with disabilities or older adults and have been working to understand the problem, brainstorm, design, fabricate, and test a prototype device or software to meet an identified challenge. The teaching team would appreciate your assistance in judging the quality of the students' project and presentation efforts. Please read the criteria below and submit your scores, suggestions, and comments. Use a pen and print legibly as your comments will be disseminated to the project teams.

- The student teams' presentations should include the following elements:

- Introduction to project and team members
- Background, problem statement, and magnitude of problem
- Interviews with project suggestors and users who would benefit from a solution
- Identification and determination of need
- Research on existing solutions and discussion of their limitations
- Brainstorm activities: description and visualization of design concepts considered and prototypes built
- Description of top designs: technical feasibility, engineering difficulty, estimated cost, user acceptance, functionality, performance, safety considerations, tradeoffs, etc
- Current project activities and status, prototypes built, and challenges encountered
- Plans for the remainder of the quarter

- Judge the overall quality of the presentation, design process, prototyped concepts in the following areas:

Delivery: (How the team presented) - professionalism, enthusiasm, conviction, confidence, energy, volume

Process: (How the team addressed the problem) - problem information, background research, design concepts brainstormed & prototyped, testing & evaluation

Presentation: (What the team presented) - clarity, organization, and completeness of the information presented

Design: (What the team produced) - creativity, originality, functionality of the design concept(s) and the likelihood it will meet the user's needs

Overall: (Overall score) - combined impression of presentation and project

- Please use these metrics: ⑤ = Excellent (Top 10%) ④ = Very Good (Top 25%) ③ = Good (Middle) ② = Fair (Bottom 25%) ① = Poor (Bottom 10%)

- Team Presentation order:

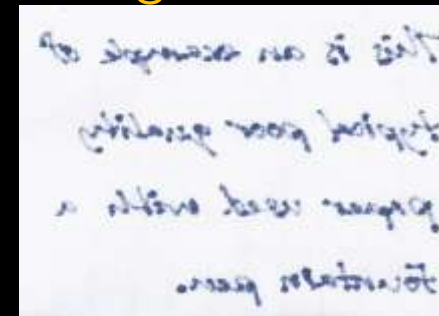
- Team Unrestrained** - Wheelchair restraint for Danny
- Team Laprador** - Lap tray for Abby
- The Last Team with No Name** - Project with the Magical Bridge Playground
- The Second Team with No Name** - Photography access for Paul
- If There's a WHILL, There's a Way** - WHILL visibility project with Abby
- Team MDM** - Project with the Magical Bridge Playground
- The Seventh Team with No Name** - Arm rest project with Nick
- Uno, Dos, Trays** - Lap tray for Ben
- The Banana Slugs** - TravelScoot camping project with Abby

- Please provide your comments and suggestions about the course, this mid-term presentation, and the overall evaluation process. Thank you for your participation!

Everyone is welcome to evaluate the teams' presentations

Do not score your team's presentation

Please use a pen that doesn't bleed through the paper and has a legible font



Upcoming class sessions

- ▶ Improving Home Environments for Older Adults - Thu, Feb 13th
- ▶ From Idea to Market: Eatwell, Assistive Tableware for Persons with Cognitive Impairments - Tue, Feb 18th
- ▶ Assistive Technology Faire - Thu, Feb 20th



Tuesday, February 18th



Mid-term Reports Due

Read Instructions and Tips:

- ▶ [Mid-term Assignment Webpage](#)
- ▶ [Suggested section titles](#)
- ▶ [Report writing tips for each section](#)
 - ▶ [Scanning sketches](#)
 - ▶ [Adding captions](#)
 - ▶ Adding bibliographic references



Today

Mid-term Student Team Project Presentations



- ▶ **Team Unrestrained** - Wheelchair restraint for Danny
- ▶ **Team Laprador** - Lap tray for Abby
- ▶ **Team Harmony** - Project with the Magical Bridge Playground
- ▶ **Paultography** - Photography access for Paul
- ▶ **Where There's a WHILL, There's a Way** - WHILL visibility project with Abby
- ▶ **Team MDM** - Project with the Magical Bridge Playground
- ▶ **Stuffed Animals** - Arm rest project with Nick
- ▶ **Uno, Dos, Trays** - Lap tray for Ben
- ▶ **The Banana Slugs** - TravelScoot camping project with Abby

Team Project Presentations

- ▶ Mid-term Team Project Presentations
 - ▶ 7 minute presentations:
 - ▶ Tell the entire story
 - ▶ Be concise
 - ▶ Employ descriptive photos
 - ▶ Avoid every last detail
 - ▶ Show your prototypes as slide images
 - ▶ Practice for timing, where to stand, etc
 - ▶ Use slide presenter as laser pointer and to advance slides
 - ▶ Mid-term Team Project Reports due Tue, Feb 18th



Team Project Presentations



Student project teams have selected a challenge or problem experienced by individuals with disabilities or older adults and have been working to understand, research, brainstorm, design, fabricate, and test prototype devices or software to meet an identified challenge. Each team will now present their mid-term project progress.

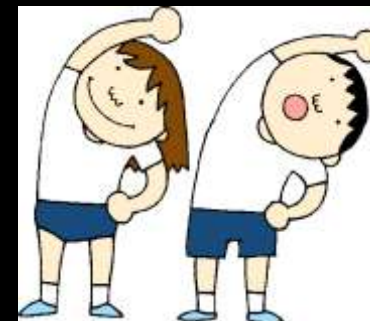
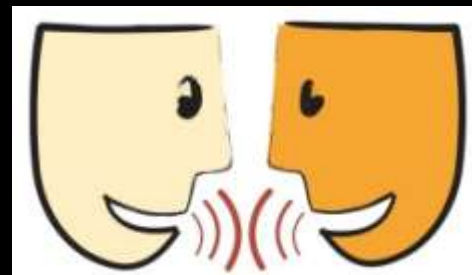
Sorry, there will not be time for questions.

Questions?



Break Activities

- ▶ Sign attendance sheet
- ▶ Grab a cookie
- ▶ Stand up and stretch
- ▶ Take a bio-break
- ▶ Text message, web-surf, email
- ▶ Talk with classmates
- ▶ Reflect on what was presented in class



Adjourn



class dismissed



Laptops Galore



Time for Questions?



End the class

