

February 12, 2015

ENGR110/210

Perspectives in Assistive Technology



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Instructor

Questions or Comments?



Mid-Term Student Team Project Presentations

Please fill out this form legibly with a pen

Mid-Term Student Team Project Presentations

ENGR110/210: Perspectives in Assistive Technology

Thursday, February 12, 2015

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 research, brainstorm, design, fabricate, and test a prototype device or software to meet an identified problem. The teaching team would appreciate your assistance in judging the quality of the students' project 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 points:

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

Judge the overall quality of the presentation, design process, prototyped concepts using the following metrics.

Delivery: professionalism, enthusiasm, conviction, confidence, energy, volume

Process: problem identification, background research, design concepts brainstormed and prototyped, project progress

Presentation: clarity, organization, and completeness of the information presented

Design: creativity, originality, functionality of the design concepts and the likelihood they will meet the user's needs

ENGR110/210 Student Team Projects Scoring Sheet

Please use the following metrics: 5 – Excellent 4 - Very Good 3 – Good 2 – Fair 1 – Poor

Presentation order:

1. Caffeinators - Knee Extension Assistance for Sports
2. LED Zeppelin - Enhanced Visibility Project
3. Disability Heroes - Educational Design Kit for Children with Disabilities
4. Far East Entertainment - Therapy Game for Stroke Survivors
5. Power to the People - Jar Opener for Grandmother
6. Triple J - Educational Design Kit for Children with Disabilities
7. The Dukes of Hazard - Improved Hand Controls Project
8. Team Smith - Magical Bridge Playground Project

Miscellany



Mid-term Team Project Presentations and Reports

1. 8 minutes and 2 questions per team (from Dave's laptop)
6 minutes and 2 questions per team (from team's laptop)
2. Mid-term Team Reports
Tuesday, February 17th
3. Refer to Mid-term Team Assignment Handout for details
<http://engr110.stanford.edu/assignment1.html>

Tuesday, February 17th



Teri A. Adams, JD

**Universal Design and the Ed Roberts Campus
in Berkeley**

Today



Mid-term Student Team Project Presentations

1. Caffeinators - Knee Extension Assistance for Sports
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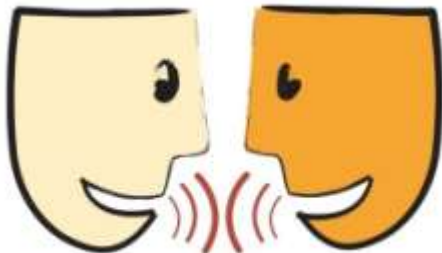
Short Break



Break Activities



- Stand up and stretch
- Take a bio-break
- Text message
- Web-surf
- Respond to email
- Talk with classmates
- Reflect on what was presented in class



Class
Dismissed!

