NO TECH-ZONE

NO CELL PHONES, TABLETS, LAPTOPS, OR SMART DEVICES PERMITTED

VIOLATORS SUBJECT TO $300 FINE
Questions, Comments, Suggestions, or Concerns?

Please notify me of your comments or suggestions or concerns so I can address and correct them before the end-of-term course evaluation.
Attendance Sheet and Evaluation Form

For all students:
  • Attendance Sheet - important to verify your attendance

For everyone:
  • Mid-Term Student Team Project Presentations Evaluation Form
Mid-Term Student Team Project Presentations

Please fill out this form legibly with a pen

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 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:

  1. Introduction to project and team members
  2. Background, problem statement, and magnitude of problem
  3. Interviews with project supporters and users who would benefit from a solution
  4. Identification and determination of need
  5. Research on existing solutions and discussion of their limitations
  6. Brainstorm activities: description and visualization of design concepts considered and prototypes built
  7. Description of top designs: technical feasibility, engineering difficulty, estimated cost, user acceptance, functionality, performance, safety considerations, tradeoffs, etc
  8. Current project activities and status, prototypes built, and challenges encountered
  9. 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:

  3 = Excellent
  4 = Very Good
  3 = Good
  2 = Fair
  1 = Poor

  Too 10%  Too 25%  Middle  Bottom 25%  Bottom 10%
A corner reflector consists of three mutually perpendicular, intersecting flat surfaces, which reflects waves back directly towards the source.

This property is called retroreflectivity.
Mid-term Team Project Presentations and Reports

1. 5 minutes (from Dave’s laptop)
   4 minutes (from team’s laptop)

2. Mid-term Team Reports due
   Tuesday, February 16th

3. Refer to Mid-term Team Assignment Handout for details
   [http://engr110.stanford.edu/assignment1.html](http://engr110.stanford.edu/assignment1.html)
Wireless Slide Presenter

English Features
1. Laser pointer
2. Slide forward and back
3. Black screen (in some applications)
4. Launch slide show
5. Timer play/pause
6. Timer set
Tuesday, February 16th

Katherine Strausser, PhD

The Design and Control of Exoskeletons for Rehabilitation
Today

Mid-term Student Team Project Presentations

1. **One More Mile** - Jogging and Running Aid for the Blind and Visually Impaired
2. **Sachi-on-the-Ko** - iPhone and Me Project
3. **Engineering Empathy** - Support System to Destigmatize Mental Health in the Black Community
4. **Brace for Impact** - Knee Brace Project
5. **Game Plan** - Improved Walker Project
6. **Team Supreme** - Power for Veterans Project
7. **Walkabout** - Improved Walker Project
8. **Team Memori** - Designing Your Afterlife
9. **Swift Engineering** - Aesthetic Brace Fairing Project
10. **Magic Makers** - Magical Bridge Playground Project
11. **Fairing Well** - Aesthetic Brace Fairing Project
12. **Team Magicians** - Magical Bridge Playground Project
Short Break

Back in a minute
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!