

GAIT TRAINER WITH TREADMILL

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Problem Statement

Gait trainers are used to assist and support those who have issues with significant mobility impairments. In the winter, it is difficult to utilize the gait trainer outside. Due to the lack of access, users may suffer significant damage to physical and mental health. Utilizing a treadmill during the imperfect weather conditions would allow for increased mobility and less drastic damages to the overall health of the client. Creating a system to allow this will provide the fix needed for the client to use her gait trainer while on the treadmill.

Brief Status Update

The team recently finished the design matrix for the designs. The team decided on the ramp and track's disconnected design. Through the design matrix, we were able to determine which was the best option. This week, the team is preparing for the preliminary presentations. This will be the first preview of our plan in upcoming weeks.

Summary of Weekly Team Member Design Accomplishments

- Team -
 - Preliminary Presentations
 - Start working on the preliminary report
 - Continue research
 - Create prototype to bring to the presentations
- Meghan Kaminski -
 - Continue research
 - Create and practice slides for my part of the presentation
 - Look over slides and make sure it is up to standards
 - Start working on preliminary report
- Belle Counts -

- Continued research
- Finished slides for presentation
- Practiced slides for presentation
- Split up work for preliminary report
- Jacki Szlagowski -
 - Preliminary presentation
 - Continued research
 - Started preliminary report
- Kalob Kimmel -
 - Continued research
 - Work on preliminary presentation
 - Start Preliminary report
 - Updated team webpage
- Navya Jain -
 - Continued research
 - Began working on preliminary report
 - Worked on preliminary presentation
 - Rehearsed for preliminary presentation

Team Member	Tasks (brief)	Weekly Time	Total time to date
TEAM	Preliminary Presentation, preliminary report, research	6 hrs	11.5 hrs
Meghan Kaminski	Research, Practice presentation, preliminary report	6 hrs	17 hrs
Belle Counts	Research, work on presentation, practice presentation	6 hrs	16 hrs
Jacki Szlagowski	Research, preliminary presentation recording, met with team for meeting	5 hours	15 hours
Kalob Kimmel	Research, Presentation, Report, group meeting	5hrs	14.5hrs
Navya Jain	Preliminary Presentation, Preliminary Report, Research	5hrs	13hrs

	Total	87hrs
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Weekly/Ongoing Difficulties

- The team is having trouble finding time to meet outside of the two hour block period. If there continues to be an issue of time, the team will utilize the extra thirty minutes left after the advising meeting to collaborate.
- The team is having difficulty deciding on a prop to bring to the preliminary presentation. We are unsure if we should make a small model or bring a small piece of the design.
- The team is having difficulty choosing a material for the design. We have options ranging from plastic to wood.

Upcoming Team and Individual Goals

- Team -
 - Work and finish preliminary report
 - Complete preliminary presentations
 - Start fabrication of design
- Meghan Kaminski -
 - Finish my section of the preliminary report
 - Complete my part of the presentation
 - Answer questions during the preliminary presentations
 - Create plan for fabrication
- Belle Counts -
 - Give presentation on Friday
 - Finish sections of preliminary report
 - Edit preliminary report
 - Continue research
 - Update lab archives
- Jacki Szelagowski -
 - Finish preliminary report
 - Look to order design materials
 - Create fabrication plan
- Kalob Kimmel -
 - Finish section of preliminary report
 - Practice Presentation
 - Start planning for fabrication
 - Continue Research
 - Continue updating webpage
- Navya Jain -
 - Finalize materials research
 - Choose materials and start ordering them
 - Begin working on prototype
 - Work on preliminary report

