

GAIT TRAINER WITH TREADMILL

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Date: October 17, 2024 to October 24, 2024

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 has just completed meetings with our client. The meeting gave the team information about testing, materials, reimbursement, and scheduling. The team is now beginning to order materials and fabrication for show and tell.

Summary of Weekly Team Member Design Accomplishments

- Team -
 - Meeting with client about progress and next steps
 - Meeting as a team to order materials
 - Research
 - Fabrication
- Meghan Kaminski -
 - Created team meeting for client
 - Set up meeting with the team for ordering materials
 - Created progress report
 - Continued research
- Belle Counts -
 - Met with client

- Did more materials research
- Met with team to order materials
- Worked on SOLIDWORKS testing
- Jacki Szlagowski -
 - Research about testing in solidworks
 - Set up meeting with client
 - Researched fabrication techniques
- Kalob Kimmel -
 - Individual research
 - Meeting with client
 - Team meeting
 - Updated webpage
- Navya Jain -
 - Continued materials research
 - Looked into different ways to order materials
 - Started planning the fabrication process

Team Member	Tasks (brief)	Weekly Time	Total time to date
TEAM	Preliminary report, preliminary presentation, research	3 hrs	17.5 hrs
Meghan Kaminski	Practice preliminary presentation, preliminary report	4 hrs	31 hrs
Belle Counts	client meeting, SOLIDWORKS testing, materials research, ordering materials	4 hrs	31 hrs
Jacki Szlagowski	Preliminary report work, research of materials and testing	2.5 hrs	27.5 hours
Kalob Kimmel	Preliminary report, research practice preliminary presentation	2.5hrs	225.5hrs
Navya Jain	Materials research, materials ordering, fabrication planning	2hrs	24 hrs
		Total	hrs

Weekly/Ongoing Difficulties

- The team is worried about show and tell. We are worried we will not have a large amount of materials to fabricate with before show and tell.
- 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.

Upcoming Team and Individual Goals

- Team -
 - Continue fabrication
 - Prepare for show and tell
 - Talk to makerspace for suggestions of fabrication
- Meghan Kaminski -
 - Begin fabrication
 - Schedule another meeting before show and tell
 - Continue research in case errors come up in fabrication
- Belle Counts -
 - Create show and tell prototype
 - Begin fabrication device
 - Finalize material order
 - Meet with team prior to show and tell
 - Continue research
- Jacki Szlagowski -
 - Start fabrication
 - Do testing in Solidworks
 - Continue with having team meetings
 - Research any problems that come up
- Kalob Kimmel -
 - Start fabrication
 - Meetings
 - Continue research
 - Update webpage
- Navya Jain -
 - Order all materials
 - Work on show-and-tell product
 - Begin fabrication

Project Timeline

Project Goal	Deadline	Team Assigned	Progress	Date Completed
Contact Client and Meet	9/12/24	All	100%	9/12/24

