

- **Title:** Smart Walker, BME 400

- **Date:** 9/5/24 - 9/12/24

Last Name	First Name	Role	Email
Nimunkar	Amit	Advisor	ajnimunkar@wisc.edu
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BlomWillis	Nolan	Leader/Communicator	blomwillis@wisc.edu
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- **Problem statement:** In the rehabilitation process of acute strokes or similar conditions, it is necessary for the patient to be able to walk independently so they can safely return home. Our team must design a device that works in conjunction with a standard walker that will measure the speed and distance the patient walks and the pressure applied to the walker.
- **Brief status update:** This week we met with our Client from 5-6pm on 9/12. This was the initial meeting so we can understand what the client wants
- **Difficulties / advice requests:** No difficulties or advice requests for this coming week.
- **Major team goals for the next week:** Complete research in relation to client requests.

- **Next week's individual goals:** A concise statement of intended action to continue progress on the project - be specific, i.e. what will you research.

Eva: Work on PDS, complete research on competing designs and further background information on sensors.

Jacob: Work on PDS and do research on potential sensors to be used for the semester

Nolan: Complete research on walkers and research that is in line with client requests

James: Complete research and complete PDS

Project Goal	Deadline	Assigned	Progress	Completed
Initial meeting with client	9/12	Team	100%	Y
Gather research/project information	9/19	Team	25%	N
Product Design Specification (PDS)	9/20	Team	0%	N
Design Matrix	9/27	Team	0%	N
Preliminary Presentation PDF	10/4	Team	0%	N
Preliminary Report	10/9	Team	0%	N
Order/Gather Materials	10/11	Team	0%	N
Create prototypes, test	11/8	Team	0%	N
Final fabrication	11/20	Team	0%	N
Test and finalize final design	11/27	Team	0%	N
Poster Presentation PDF	12/6	Team	0%	N
Final Report	12/11	Team	0%	N
Final Notebook Team	12/11	Team	0%	N

- **Previous week's goals and accomplishments:**

Team: The team conducted preliminary research to prepare for the meeting with the client. Then the team met with the client to gain an understanding of the expectations for the project and semester.

Eva: Client meeting, preliminary research into project motivation and previous work

Jacob: Conducted research on previous semester's project and met with client to discuss PDS requirements and semester plans

Nolan: Met with client, looked at past team's final report to gain an understanding of how they went about it.

James: Researched previous project and similar products, and created a preliminary drawing of the design after meeting with the client to discuss details about the project

Activities: a concise accounting of time spent working on the project.

	Eva	Jacob	Nolan	James
Week 1	3 hrs	2 hrs	2hrs	2hrs