Title: Smart Walker, BME 402

- **Date**: 3/21/25 - 4/3/25

Last Name	First Name	Role	Email
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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**: The team is midway through fabrication of the walker with plans to finish in the coming week.

- **Difficulties / advice requests**: No difficulties or advice requests for this coming week.

- **Major team goals for the next week**: Finish integrating the walker with the load cell holders and begin the integration of the walker with the circuit.

- **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: Continue assisting with walker fabrication and ideally begin testing.

  Jacob: Once the load cell holders are properly integrated, I will integrate all of the circuitry into the walker and begin some testing.

  Nolan: Continue fabrication for load cell holders.

  James: Test load cell holders with the team, and integrate circuit components if all goes well.

  Owen: Continued Fabrication, i.e., drill the holes for load cell holder attachments. Possibly reprinting the bottom load cell holder component. It is also essential to test the load cells in the holders next week.

Project Goal	Deadline	Assigned	Progress	Completed
Select Journal	2/7	Team	100%	Y
Preliminary Presentation	2/7	Team	100%	Y
Preliminary Deliverables	2/26	Team	100%	Y
Invention Disclosure Report (optional)	3/7	Team	100%	Y
Executive Summary	4/18	Team	100%	N
Outreach Materials	4/18	Team	90%	N
Final Presentations	4/25	Team	0%	N
Final Deliverables	4/30	Team	0%	N

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

  Team: Finished writing the Executive summary and continued fabrication of the walker with the load cell holders. Finished the first draft of the WARF disclosure document.

  Eva: Assisted with integration of the walker and load cell holders.

  Jacob: I helped work on the Executive summary as well as the WARF invention disclosure.

  Nolan: Worked on fabrication of old walker as well as new cuts on the new walker. Also met with Dr. Puccinelli for outreach.

  James: Finalized WARF disclosure and executive summary for submission.

  Owen: During this week I worked on writing the WARF disclosure and Executive Summary. Additionally, we worked on the fabrication of the old walker (Eva and Nolan). Lastly, Nolan and I fabricated the new walker by making 4 new cuts in the legs for proper load cell holder positioning.

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

	Eva	Jacob	Nolan	James	Owen
Week 1	3 hrs	4 hrs	2.5 hrs	2 hrs	3 hrs
Week 2	2 hrs	3 hrs	5 hrs	2.5 hrs	6.5 hrs
Week 3	3 hrs	4 hrs	2.5 hrs	4 hrs	4 hrs
Week 4	2.5 hrs	8 hrs	2 hrs	4 hrs	9 hrs
Week 5	2.5 hrs	4 hrs	4.5 hrs	2 hrs	5 hrs
Week 6	3 hrs	6 hrs	5 hrs	3 hrs	7 hrs
Week 7	2 hrs	3 hrs	2 hrs	5 hrs	4 hrs
Week 8	2 hrs	5 hrs	2.5 hrs	4 hrs	12 hrs
Week 9	3 hrs	3 hrs	4.5hrs	2 hrs	7 hrs