
Senior Design Bi-Weekly Status Report; Fall 2023

Team Name: sdmay24-16

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Report Period: Sept11-October 24th

Summary of Progress in this Period

Over the previous period we have been able to have multiple meetings with our TA, Professor Mentor, and our BAE Systems Mentors. We have also contacted the people at adaptive adventures, who this project is for. We have also started doing market research and research on the effects of weather on the body for people with paralysis as well as researching materials that may be good to use. We have reached out to our secondary client and gotten some more direction as to what they are looking for, for the most part they want us to run with the idea with very few constraints other than being extremely user friendly and not affecting the flow of typical body movement.

Pending Issues

Our biggest issue currently is not having a detailed description of what our client is looking for, we are looking to meet with them soon to get all answers ironed out before researching technical issues such as temp sensors, form of attachment, researching possible functionalities, etc.

Plans for Upcoming Reporting Period

In the next few weeks we will:

- Meet with the people from adaptive adventures and get constraints and design specs.
- Start doing technical research on our project (sensor, materials, data collection, phone application).
- Start designing once research is done.
 - Layout of system
 - GUI for Phone
 - Power consumption requirements
 - Connectivity of sensors to power and Bluetooth
- Continue meeting with TA, Faculty Mentor, BAE Systems, and Adaptive Adventures.
