

## 1.05 HIM Weekly Status Report for Work Week 11

November 2, 2020

Submitted by: Jose Silva

Course Instructor: Mr. Welker  
Faculty Advisor: Dr. Aslan  
Sponsor: Mr. Hinkle, TXST

### Team Members:

Jose Silva [PM]  
Andrew Flores

Cameron Muir  
Gabriel Montero-Sierra

## Current Project Status is Green

Finishing up revisions of the preliminary project plan to send for signatures. As far as hardware, we have been looking at different alternatives until we are able to order material after the IDR in case some parts do not work out during implementation. Software-wise we are able to simulate and write data for the required subsystems

## Individual Updates (Activities Completed, Activities Planned)

Andrew	C:	Began testing waterproofing solution for external devices. Cannot test with the actual device until the parts are in, but still monitoring the moisture levels for the water protection. Developing power system design. Researching cooling system for the battery.
	P:	Research the most efficient form of recharging the battery. Choices are between a fully removable battery for recharging or a smaller charging port in the device. Choices will be made based on efficiency and moisture protection.
Cameron	C:	Researched alternative mapping options as I am a beginner in javascript and want to have a backup plan if things do not go as planned.
	P:	Test backup options to make sure they are viable as Mapbox is pretty advanced. I want to be able to make sure that we have a backup option that meets the requirements and is achievable.
Gabriel	C:	Researched different storage organization styles to benefit pulling data for data analysis.
	P:	Tweak AWS settings to easily upload and download data from the cloud. Work on Project Specification.

## Sponsor and Faculty Advisor Meetings/Calls Held & Planned

	<u>Who</u>	<u>Last</u>	<u>Topic(s)</u>	<u>Next</u>
Sponsor	Lee Hinkle	10/28	Product Block Diagrams	11/04
Advisor	Semih Aslan	10/12	Project Implementation	TBD
Mentor/ Mentee	2.06	10/19	Project Plan Revisions	TBD