

## 1.05 HIM Weekly Status Report for Work Week 8

October 12, 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**

We reviewed the first draft of the project plan, met with Dr. Aslan about our system design and possible backup plans for our project, and sent a draft of the project plan to our D2 mentor team for feedback.

## Individual Updates (Activities Completed, Activities Planned)

Andrew	C:	Continue research on power management for elements used to ensure the battery has the correct capacity. Research the altitude regulation on potential gps devices.
	P:	Research more sensors that are easier to use in the device. Continue research on the gps for better understanding of the navigation system.
Cameron	C:	Found a better mapping service called Mapbox, it is customizable using a GUI or by using javascript. Worked on Exec. summary project plan and subsystem
	P:	Verify the Arduino MKR 1010 is the correct board for us. Begin re-learning Autodesk Inventor to produce the casing, begin research on waterproofing solutions.
Gabriel	C:	Began some light testing on importing and exporting data to AWS. Researched a few possible storage settings AWS offers.
	P:	Continue to test and research into other storage types in AWS as well as other cloud possibilities. Research best microSD module for Arduino MKR 1010 for on board storage.

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

	<u>Who</u>	<u>Last</u>	<u>Topic(s)</u>	<u>Next</u>
Sponsor	Lee Hinkle	10/7	Project Plan questions	10/14
Advisor	Semih Aslan	10/12	Project Implementation	TBD
Mentor/ Mentee	2.06	09/28	Help with revisions for SOW	TBD