

1.05 HIM Weekly Status Report for Work Week 7

October 5, 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

Submitted SOW with required signatures, started our preliminary draft of our Project Plan and submitted our information to the webform for Sr Design Day along with our new logo. Decided on parts for our project such as microcontroller, sensors, and battery.

Individual Updates (Activities Completed, Activities Planned)

| | | |
|---------|----|--|
| Andrew | | Began a parts list to create a budget for sensors and battery pack. continued |
| | C: | research on stretch goal for the sunlight sensor. Process data sheets for battery and sensor. |
| Cameron | P: | Begin ordering parts that I feel will meet the requirements. Continue research on sensors to ensure efficiency and high quality performance. |
| | C: | Decided on a Microprocessor board (Arduino MKR 1010) as it is user friendly and is relatively power efficient compared to a Raspberry pi. |
| Gabriel | P: | Begin work on project plan Executive summary. Look into casing options as well as if there is anything better than ArcGIS for a mapping service. |
| | C: | Decided AWS for cloud storage. Began testing how to upload and extract data for project purposes. |
| | P: | Further test AWS cloud storage, adapt for project purposes. Research possible data transmission with the Arduino MKR 1010 board. |

Sponsor and Faculty Advisor Meetings/Calls Held & Planned

| | <u>Who</u> | <u>Last</u> | <u>Topic(s)</u> | <u>Next</u> |
|-------------------|-------------|-------------|-----------------------------|-------------|
| Sponsor | Lee Hinkle | 09/30 | General Project Questions | 10/7 |
| Advisor | Semih Aslan | 9/10 | Project Implementation | 10/7 |
| Mentor/ Mentee | 2.06 | 09/28 | Help with revisions for SOW | TBD |