

## 2.10 ALERRT CENTER Weekly Status Report

October 7, 2019

Submitted by: Bo Heyse

Course Instructor: Mark Welker  
Faculty Advisor: Dr. McClellan  
Sponsor: Texas State University

### Team Members:

Bo Heyse[PM]  
Karina Paz

Matthew Healea

## Green Current Project Status

Demo day was pushed back to Monday 10/7, which allowed us a bit more time to try and integrate the Google API to push our data files to a central repository. Bo was able to successfully integrate the API and UI functionality into the app and will further refine the app's UI, error checking, and automated data processing post upload to a central repository over the next few weeks. Matt will be integrating the battery management software into the working software for the sensors. Karina will continue with the design for an encasing for our sensors as well as begin working through the hardware testing necessary for our project.

## Individual Updates (Activities Completed, Activities Planned)

Bo	Successfully integrated Google Drive API into app to automate upload capabilities. Will be writing a script to automate the download and processing of the data on central computer.
Matt	Worked on battery management system for mobile unit and error messaging. Began testing battery in multiple test cases as laid out in Test Plan from design 1
Karina	Printed the second iteration of the CAD design enclosure. Working on improvements to fit charging port and access to powering the IMU. Will begin developing tests for hardware.

## Upcoming Deliverables (course and project due in next 2 to 3 weeks)

<u>Deliverable</u>	<u>Due Date</u>	<u>Status</u>
Script to automate download and processing of data	10/20/2019	In Progress
Integrate Battery Management Software	10/14/2019	In Progress

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

<u>Who</u>	<u>Last</u>	<u>Topic(s)</u>	<u>Next</u>
Dr. McClellan	10/2	Integrating universal timestamp/error checking	10/16