2.10 ALERRT CENTER Weekly Status Report

October 14, 2019   **Submitted by: Bo Heyse**

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

Team Members:
Bo Heyse[PM]   Matthew Healea
Karina Paz

`Green` Current Project Status

The goal for this week was to complete the 4th and 5th step of the project which is process/format data and feed the data into a virtual simulation. Bo finished that up this week by writing a cron script that runs on a time loop. This script checks for any files added to the Google Drive and automatically downloads the new files and processes them into a format required for the virtual simulation. Also, he added a notification when the user clicks the "Upload" button based on feedback from Demo Day. Matt and Karina continue to develop testing for the system. There was a bottleneck on some of the testing due to the entire process not being completed, now all testing can begin. We will be fixing small bugs, testing, and working to ensure the system is streamlined from start to finish.

Individual Updates (Activities Completed, Activities Planned)

Bo	Wrote a script that automatically downloads any new data files added to the Google Drive and formats the data to work within a MATLAB simulation which gives it's position and orientation. Also added a notification when the user clicks "Upload" so there is some feedback
Matt	Finishing battery management system, blew up a board due to idiotic mistake. Received new board in mail on Monday to continue testing.
Karina	Beginning testing for hardware.

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

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

Sponsor and Faculty Advisor Meetings/Calls Held & Planned

Who	Last	Topic(s)	Next
Dr. McClellan	10/2	Integrating universal timestamp/error checking	10/23