

2.10 ALERRT CENTER Weekly Status Report

November 4, 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

We are continuing to test different variables in order to sure up our results. Matt is preparing graphs for all his testing data in order to visually see the results for our FDR presentation. Bo has finished his calibration testing and achieved a video format to show the before and after. Karina will work on her sections of the FDR but will be away for the SWE national conference for the week. We all have individual small noncritical development tasks we will work towards to improve the project for Senior Design Day.

Individual Updates (Activities Completed, Activities Planned)

Bo	Integrated Matt's battery management system into the Mobile app and tested the error reporting that occurs with a low battery. Tweaked some small User experience bugs in the mobile app. Now working on applying our recorded data to a head, torso, and gun objects to visualize the orientation.
Matt	Work on FDR, fine tune battery function in IMU firmware, begin testing range of Bluetooth transmission.
Karina	Updating the enclosure for added components to create more space. Working on the FDR presentation and final report.

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

<u>Deliverable</u>	<u>Due Date</u>	<u>Status</u>
Practice FDR	11/11/2019	In Progress
Data for all test cases finished	11/11/2019	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	Dr. McClellan had to reschedule last week, we have a meeting planned for this Wednesday at 10:15	11/6