

## 2.10 ALERRT CENTER Weekly Status Report

Septmeber 16, 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

Both deliverables for the past week were accomplished. The SD card file transfer was successfully implemented onto the mobile app by Bo. He will be working on the final piece of the mobile app functionality over this next week, having multiple connections to the app. Matt is working with the SD transfer protocol and baud rate of the bluetooth sensors to determine a rate of fastest download while maintaining 100% data integrity. Karina continues to iterate over the enclosure CAD designs. Wednesday we will meet with Dr. McClellan and work on our progress presentation. Friday we will meet and practice our presentation.

### Individual Updates (Activities Completed, Activities Planned)

Bo	Completed the software required for local recording on the SD card, then bluetooth transfer of that file to the mobile app with a single sensor. Will focus on now having the app make multiple connections.
Matt	Worked on Bluetooth modules and adjusting baud rates for optimal wireless transfer of data from mobile app. Worked on Progress Presentation for next week, updated functional spec.
Karina	Began "Progress Presentation" PowerPoint. Improved first design for the 3D printed non-intrusive enclosure. 3D printing out the latest improvement in the MakerSpace. Documenting the improvements.

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

<u>Deliverable</u>	<u>Due Date</u>	<u>Status</u>
Multiple Sensor-App Connections	09/13/2019	In Progress
Progress Presentation	09/13/2019	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	05/07	Discussed plan going into summer	09/18

