

## Team Weekly Report

**Team:** Bray IIoT Smart Solutions

**Week:** 6

**Members:** Aysen De La Cruz, Matthew Livesay, Alex Kearney, Abdiel Rivera, Josh Werner

### Status Report

Since our last report, we have slowly been making progress towards the project. Some of the firmware for the project has been written and the final draft of the database design is in the works. We have gotten new hardware that will allow us to more easily test the system for further development. The power supply for one of our components has also broken, but that should be a quick fix.

### Current Status

1. What did the team work on this past week?

Task	Task Lead	Status	Notes
Development of web application	Abdiel Rivera/Josh Werner/Alex Kearney	In Progress	Roadblocks in terms of backend structures
Development of transmitter firmware	Aysen De La Cruz	In Progress	
Update database structures	Josh Werner	In Progress	Delay due to new hardware component complications
Planning new software updates and additions	N/A	In Progress	Backend redesign is our main focus area
Picked up torque data spoofer hardware from Bray	Matthew Livesay	Done	
Configure the R-Pi server for data collection	Alex Kearney	Done	R-Pi server automatically pulls the GitHub repo and runs docker containers
Be able to flash a known good version of the firmware to the LoRa board	Matthew Livesay	Done	Waiting for instructions. I think I can do it now but don't want to brick the board
Report modifications	Alex Kearney	In Progress	Updated previous descriptions of the

			solution to reflect the current direction of the project.
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2. What feedback has the team received? No feedback was received this week.

From Whom	Feedback	Next Steps

3. Are any resources needed? If so, what?  
No resources are needed at this moment.

### Plans for Next Week

What are your plans for this next week?

Task	Task Lead	Notes
Development of web application	Abdiel Rivera/Josh Werner/Alex Kearney	Database Redesign/Frontend Connection
Development of transmitter firmware	Aysen De La Cruz	
Consider updates to database structures for torque spoofer	Josh Werner	
Planning new software updates and additions	N/A	Continuing to fully understand the project and plan for new tasks as necessary.
Understand legacy code for the firmware. It's a mess currently	Matthew Livesay Aysen De La Cruz	
Report Modifications	Alex Kearney	Updated previous descriptions of the solution to reflect the current direction of the project.
Report: Engineering Standards and Regulations	Alex Kearney	

Frontend-backend integration	Josh Werner/Abdiel Rivera	
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