# Team Weekly Report

**Team:** Bray IIoT Smart Solutions
**Week:** 10
**Members:** Aysen De La Cruz, Matthew Livesay, Alex Kearney, Abdiel Rivera, Josh Werner

## Status Report

*We have successfully connected the entire system and can transmit $CO_2$ sensor data to our database. We are now finalizing our method of displaying the transmitted data. The data visualization is an updated version of the legacy code, and this procedure is currently working with both torque data as well as the new $CO_2$ sensor data.*

## Current Status

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

| Task | Task Lead | Status | Notes |
|------|-----------|--------|-------|
| Development of a web application | Abdiel Rivera/Josh Werner/Alex Kearney | In Progress | |
| Work on the integration of old software elements and new software elements | Josh Werner | Completed | |
| Connecting the LoRa board and conduit | Aysen De La Cruz | Completed | |
| MQTT Configuration | Alex Kearney Aysen De La Cruz | Completed | Data is being sent and translated |
| Poster Draft | Matthew Livesay | Completed | |
| Ethics Deep Dive: Synthesis | Alex Kearney | Completed | |
| User studies | Alex Kearney | In Progress | 9 people interviewed, will conduct more with Bray |
| Built test chamber | Matthew Livesay | Completed | |
| End to End testing of the project | Matthew Livesay | In Progress | We get data all the way to the backend database, still having issues getting the front end to display it properly. |

2. What feedback has the team received?

| From Whom | Feedback | Next Steps |
| --- | --- | --- |
| Peers | There are some issues with the navigability and intuitiveness of the system | We will improve the labelling of our interface. |

3. Are any resources needed? If so, what?
   N/A

## Plans for Next Week

What are your plans for this next week?

| Task | Task Lead | Notes |
| --- | --- | --- |
| Development of the web application | Abdiel Rivera/Josh Werner/Alex Kearney | |
| Report Modifications | Alex Kearney | |
| Abstract and Evaluation | Alex Kearney | |
| Finalize Poster | Matthew Livesay | |
| Conduct user studies with Bray | Alex Kearney | |
| Conduct more user studies | All | |