Individual Weekly Report

Name: Alex Kearney

Team: Bray IIoT Smart Solution

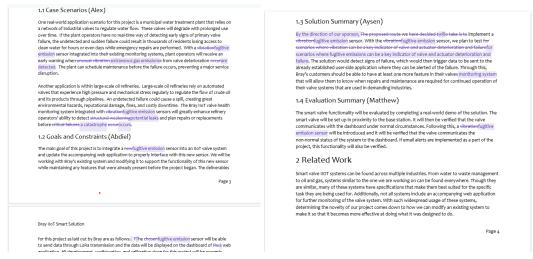
Date: 3/17/2025

Current Status

1. What did you personally work on this past week?

Task	Status	Time Spent
Configure the R-Pi server for data collection	Done	~1 hour
Report modifications	In Progress	~2 hours

Include **screenshots/graphics** to illustrate what you did this past week:



- 2. What problems did you run into? What is your plan for them? We discovered that we needed to simulate the torque bracket sensor from last year and implement it in the system. We have acquired hardware from Bray that will spoof data from a torque bracket sensor so the system can run. However, this also necessitates that our frontend and backend code accommodate the torque bracket sensor. We plan to make the database to include a type of sensor for each entry.
- 3. What is the current overall project status from your perspective? The project is behind but I believe once we've overcome a few knowledge hurdles regarding firmware, progress will accelerate.
- 4. How is your team functioning from your perspective? The team hasn't been communicating very well lately.

- 5. What new ideas did you have or skills did you develop this week? I improved my understanding of docker documentation and usage.
- Who was your most awesome team member this week and why?
 Matthew for acquiring additional necessary hardware from Bray and leading the charge on firmware.

Plans for Next Week

What are you going to work on this next week?

- Frontend code configuration
- Backend code configuration
- Backend server configuration (Raspberry Pi)
- Get every hardware component communicating with each other
- Modify and update Project Report