Team Name : PipeWan

Date of Submission : 10/24/21

Meeting Date & Time : 10/22/21 10:00 am

Meeting Location : Teams

Meeting Duration : 2.1 hrs

|  |  |  |
| --- | --- | --- |
| Team Members | X = Present | Notes |
| Mohammad Daoud | X |  |
| Edgar Chavez | X |  |
| Aron Wiley | X |  |
| Alex Rossillon | X |  |

# Progress

Team accomplishments for the week

*A short narrative, typically 1-2 paragraphs, should include decisions made by the team as a result of the team discussions, and how the team arrived at the decision.*

For our meeting this week we worked on our technical product specifications paper. We identified some of the important metrics we will be needing and using in our design. This included hardware specifications, software specifications, and potential constraints along with their mitigations. Then, we collected information on the engineering testing and design standards we need to consider for our project.

Individual contributions

*A brief narrative (1-3 sentences) made by* ***each team member*** *summarizing their respective activity for the past week.* ***NOTE:*** *Missing the meeting without advanced notice, making no contributions to the meeting, or missing two team meetings could result in a zero for any team assignments.*

Mohammad

This week I worked on gathering enough data for the technical product specifications so that we can start prototyping. I identified the measurements and values we will need for some of the equipment such as the antenna, RF module, and other hardware. I also helped list some of the appropriate engineering standards we will need to consider for this project.

Edgar

This week I worked with the team on gathering data for our technical product specifications document. As well as finding information to set up the Arduino and begin prototyping. I also set a time to pick up the SparkFun Pro RF for this Monday.

Aron

This week I gathered data for the technical specification paper and investigated prototyping. I also investigated some of the aspects of hardware. I also investigated some of the software for our node so that we know what we need to program. I also helped finetune our technical specification paper.

Alex

I investigated the specification documents for some of our hardware to verify it would meet our project requirements. I then wrote it into the technical specifications paper. I’ve also been in contact with the JBC building managers to find a location to install a prototype.

# Project Tracking

*Tasks which are actively being worked on.*

|  |  |  |  |
| --- | --- | --- | --- |
| Team Member | Assignment | Due Date | % Complete |
| Mohammad | Order flow sensor, start working with the hardware | 10/30 | 30 |
| Edgar | Start setting up the Arduino | 10/30 | 0 |
| Aron | Program the node, look into housing | 10/31 | 30 |
| Alex | Mockup some enclosure designs and fixtures. | 10/31 | 0 |

# Plan

*Future work. A brief description of the tasks and activities the team needs to accomplish over the coming weeks. As team members pick up assignments, move from this table to the tracking table. Consider future work a running task-list with an expected due date for completion.*

|  |  |
| --- | --- |
| Assignment | Due Date |
| Housing for node | 10/31 |
| Discuss with Debra to determine any other options for monitoring pipes | 10/31 |
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# Issues

*Include a brief description of issues the team has encountered, and potential resolutions for the issues. If the team would like staff to help with the issues, this is the appropriate place to request assistance.*

# Next Meeting

Date & Time : 10/31/21 11:00 am

Location : Teams