Team Name : PiPeWan

Date of Submission : 10/29/31

Meeting Date & Time : 10/29/31 10:00 am

Meeting Location : Teams

Meeting Duration : 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.*

This week we worked on getting the physical material for the project, we got the SparkFun Pro from Andy Stallard. Alex also met with Debbie in the JBC to talk about where she would like to monitor, Debbie is the JBC VP. From this we learned of two spots where we can monitor, one of them being the spot that froze and busted last winter.

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 received the temperature sensor we will be working with that has an Arduino module. We also came to a consensus on the flow sensor we are using, and it is supposed to arrive soon. I am still looking for a suitable antenna we can use that Is in line with the US902-928 Lora specification. By the end of the week, I should have all the hardware we need ready.

Edgar

This week I met with Andy Stallard to pick up the Sparkfun Pro RF as well as discuss different options to monitor buildings beside just the pipes. I also worked with the Sparkfun Pro RF and researched into the Arduino IDE. Will also need to get a lithium-ion battery.

Aron

This week I worked on researching some more with the Arduino software/hardware. I also worked on some more research information for what we will need in the future. I also looked into a housing for the node.

Alex

This week I met with the VP of the JBC, Debra Franklin, to discuss deploying our prototype in around the JBC. She was very cooperative and excited to see our project up and running. She showed me two locations (the south entryway and a maintenance room on the third floor) that she wants to place temperature monitors. The basement is another option for monitoring. I’ve also been learning Catia so I can design a housing for the node.

# Project Tracking

*Tasks which are actively being worked on.*

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| --- | --- | --- | --- |
| Team Member | Assignment | Due Date | % Complete |
| Mohammad | Gather final pieces of hardware, order antennae and start putting it all together with the Arduino. | 11/7 | 50% |
| Edgar | Finish setting up SparkFun Pro RF, need to retrieve Ion Battery for SparkFun | 11/07 | 30% |
| Aron | Node housing, node programming. | 11/7 | 540 |
| Alex | Programming on the Sparkfun Pro RF. | 11/07 | 25% |

# 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.*

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| --- | --- |
| Assignment | Due Date |
| Housing for node | 11/7 |
| Gather all hardware | 11/7 |
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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 : 11/07/21 06:00 pm

Location : Teams