Team Name : PipeWan

Date of Submission : 09/19/21

Meeting Date & Time : 09/19/21 06:00 pm

Meeting Location : Teams

Meeting Duration : 2 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 were each assigned with researching various aspects of the project which included sensors and the computer application. The sensors seem to have some limitations due to their price and functionality. Some were limited to only display readings on the sensor itself. Some had to be static while others had to be moving to get more accurate results. So, more research must be done to decide how to work with them. As for the web application, we decided it’s going to send an email notification for simplicity, since text message applications are more complex and aren’t necessarily needed for this 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 researched different sensors used in the monitoring of water pipes. I looked at different types of sensors for flow, temperature, and pressure. I also studied their applications and how to best utilize them for the most accurate measurements. The most accurate ones seemed a bit expensive and tedious to install.

Edgar

I researched different types of sensors for pipes to measure temperature, pressure, flow, and condensation. Most of the sensors I found were only able to measure that data on site and display that information on the sensor itself.

Aron

This week I worked on researching some different methods on sending emails/other notifications from an application. I was also in contact with Coach about getting connected to the LoRaWan system. I also did a basic look into some of the different sensors that we could use on our project.

Alex

This week I researched methods for sending notifications from a C# based windows application to a person’s phone. Sending an email seems to be straight forward but we’ll have more difficulty if we want to send text notifications.

# Project Tracking

*Tasks which are actively being worked on.*

|  |  |  |  |
| --- | --- | --- | --- |
| Team Member | Assignment | Due Date | % Complete |
| Mohammad | Further research on sensors and their applications. | 09-26 | 25% |
| Edgar | Continue research on sensors. Familiarize self with C# | 09-26 | 25% |
| Aron | Getting LoRaWan information from Coach. Researching more software implementations. | 09-26 | 25% |
| Alex | Proof of concept app for sending email | 09-26 | 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.*

|  |  |
| --- | --- |
| Assignment | Due Date |
| Further research on the sensors and computer application | 09-26 |
| Waiting for LoRaWan information. | 09-26 |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

# 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 : 09/22/21 06:00 pm

Location : Teams