**The University of the West Indies**

**Department of Computing and Information Technology**

**COMP 3990 Project**

**Status Report**

**Project**: < Pi Weather Station with Web APP Project> **Date**: < 18/02/2020>

**Iteration**: <5>

**Implementation Status**

Briefly describe the prototype or what can currently be demonstrated by the system; i.e. what is now available for feedback from the customer and testing within the development team? Attach or include a few sample screen shots to illustrate the progress.

**Highlights**

<List any items of note. Breakthroughs, accomplishments, major decisions, or changes in the project plan. Are you on schedule, ahead of schedule or behind schedule?>

We got in contact with with the climatologist at MET and he suggested that we set up our weather station and collect at least 3 days of weather data and then call back to be able to test our data against theirs.

**Risks or Issues List**

List any risk or issue that is critical for the success of the project. This could be anything from "*we need to get test data*" to "*how do we ensure that the system is usable*" to "*performance is unacceptable*". This should be a complete historical list that is kept from the beginning of the project until the end. *Status* should be one of *New*, *Ongoing*, *Closed*.

The resolution column should be filled in if the issue or risk has been taken care of.

A project may be expected to have around 1-3 active issues or risks that are being managed (New or Ongoing) at any given time. If you have more than three, then either you have a project in serious trouble or your criteria for what is "critical to success" is too loose.

| Date Entered | Risk or Issue | Description | Resolution | Status |
|---|---|---|---|---|
| 21/01/2020 | Difficulty in getting UV-transparent materials to house the UV sensor. | Our UV sensor requires a weatherproof enclosure whilst being exposed to UV light from outside. Regular glass is not UV- | Fused silica glass have been ordered in addition to special glue. The idea is to place the sensor in one of | Pending |

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| | | transparent and will mess with the accuracy of our readings while no glass will give the highest accuracy but it will result in exposure to rain etcetera. | our weatherproof PVC enclosures and glue the fused silica sheet on one side to allow UV light to enter. However the purity of the glass ordered from the seller is unknown. | |

**Tasks in Progress or Completed in** the **Last Iteration:**
<List the tasks that each member of the project worked on up to the present time.>

| Task Name | Description | Team Member Responsible | % Complete |
|---|---|---|---|
| Gathering necessary hardware for building the Pi Weather Station | | Vinod Lochan Dassrath | 100% |
| Determining what technologies we should to use in our system | | Vinod Lochan Dassrath, Jose Bravo Mata, Ronald Jaglal | 40% |
| Starting the design of the app interface | | Ronald Jaglal | 50% |
| Creating project website | | Ronald Jaglal | 100% |
| Documenting functional requirements | | Jose Bravo Mata | 100% |
| Documenting non-functional | | Vinod Lochan Dassrath | 100% |

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| Writing User stories | | Jose Bravo Mata | 70% |
| Designing Context diagram | | Jose Bravo Mata | 80% |
| Finalizing Project Proposal Document | | Vinod Lochan Dassrath | 90% |
| Designing Use Case Diagram | | Vinod Lochan Dassrath | 90% |
| Establish Project Timeline Documents | | Vinod Lochan Dassrath, Jose Bravo Mata, Ronald Jaglal | 10% |
| Architectural Design | Component diagrams, high-level descriptions of the components in the system, and their purpose in relation to the project's objectives. | Vinod Lochan Dassrath | 5% |
| Class Diagram | Outlines the attributes, methods and interactions of the major classes/modules in the system | Vinod Lochan Dassrath | |
| Entity Relationship Model | Specifies the entities, datatypes, and relationships that are important for the project domain | Vinod Lochan Dassrath | 10% |
| Meeting with possible stakeholders | | Vinod Lochan Dassrath, Jose Bravo Mata, Ronald Jaglal | 80% |

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| Researching and planning our application structure | | Vinod Lochan Dassrath, Jose Bravo Mata, Ronald Jaglal | 50% |
| Designing System diagram | | Jose Bravo Mata | 80% |
| Setting Up Weather Station: Part 1 | Putting together key hardware components to construct initial weather station | Vinod Lochan Dassrath | |

**Upcoming Tasks for the Next Iteration:**
List the tasks that each project member is planning to work on in the upcoming iteration.

| Task Name | Description | Team Member Responsible |
|---|---|---|
| Sequence Diagram | Diagram that would represent the process taking place when the user interacts with the system (App in particular). | Ronald Jaglal |
| Application UI prototype | Designing the layout of the App and how the user would interact with such app. | Ronald Jaglal |
| Requirements Revision | Make changes to requirements based on stakeholders' input | Jose Bravo Mata |
| Setting Up Weather Station: Part 2 | Writing code for sensors and connecting to Cloud Firestore database | Vinod Lochan Dassrath |
| Visualization | Experimenting with various charts that would be used for showing the data to the user. | Ronald Jaglal |

*<Add rows to tables as needed>*