**PROJECT DESIGN PHASE-2**

**DATA FLOW DIAGRAM & USER STORIES**

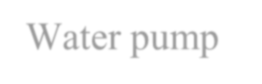
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| --- | --- |
| Date | 22 October 2022 |
| Team ID | PNT2022TMID50299 |
| Project Name | SmartFarmer - IoT Enabled Smart Farming Application |
| Maximum Mark | 4 Marks |

**Data Flow Diagram :**

Smartphone or PC



Field



Water pump

Sensors

Measure agricultural

field temperature

humidity and soil

moisture

Relay

M

icrocontroller

Send the me

asured da

ta to the

cloud

IOT based

weather station

**User Stories:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requiremen**  **t (Epic)** | **User**  **Story**  **Number** | **User Story/Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer | Registration | USN-1 | As a user,I can register for the application through gmail and also by creating user name and password. | I can access my account /dashboard | High | Sprint |
|  | Login | USN-2 | As a admin, I can log into the application by entering my email and password. | I can handle my account | High | Sprint |
|  |  | USN-3 | As a user,I can reset my password if I have forgetten my password. | I can manage the password | High | Sprint |
|  | My Account | USN-4 | As a user,I can view my personal information. | I can handle my information | High | Sprint |
|  |  | USN-5 | As a user,I can edit my email.Iwill receive a confirmation email to my new email address. | I can access my new email | Medium | Sprint |
|  |  | USN-6 | As a user ,I can logout of the application from my account. | I can logout my account | High | Sprint |
| Administrator | Registration | USN-7 | As a admin,I can assign username and password | Can access secure content | High | Sprint |
|  | Login | USN-8 | As a admin , I can request to login user | Ensuring security | High | Sprint |