**Project Design Phase-II**

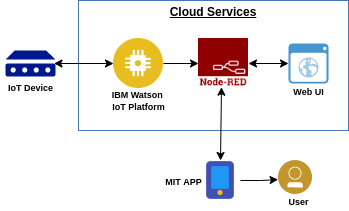
**Data Flow Diagram &User Stories**

|  |  |
| --- | --- |
| Date | 16 October 2022 |
| Team ID | PNT2022TMID44065 |
| Project Name | Project-Smart Farming  IoT Enabled Smart Farming Application |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

**DATA FLOW:-**

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**DFD Level 0 (Industry Standard):-**

OUTPUT

INPUT

Pump ON

Cloud interface

Relay

**User Stories**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional**  **Requirement (Epic)** | **User**  **Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my  email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
|  |  | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click  confirm | High | Sprint-1 |
|  |  | USN-3 | As a user, I can register for the application through Gmail | I can receive confirmation  email & click confirm to login | Medium | Sprint-1 |
|  | Login | USN-4 | As a user, I can log into the application by entering email & password |  | High | Sprint-1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirement**  **(Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
|  |  | USN-5 | If I forgot my password or username, I can reset it again through my email | I can receive reset Mail to the  registered Email Id | High | Sprint-2 |
| Customer (Web user) | Registration | USN-6 | As a user, I can register by entering my email, password, and confirming my password | I can access my account / dashboard | High | Sprint-2 |
|  |  | USN-7 | As a user, I will receive confirmation email once I have registered for the application | I can receive confirmation email & click  confirm | High | Sprint-2 |
|  |  | USN-8 | As a user, I can register for the application through Gmail | I can receive confirmation  email & click confirm to login | Medium | Sprint-2 |
|  | Login | USN-9 | As a user, I can log into the application by entering email  & password |  | High | Sprint-2 |
|  |  | USN-10 | If I forgot my password or username, I can reset it again through my email | I can receive reset Mail to the  registered Email Id | High | Sprint-3 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirement**  **(Epic)** | **User Story**  **Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer Care Executive | Help | USN-11 | If I have any doubt in using application or web, I can  clarify it by clicking Help option in the dashboard. | I can get proper guidance from the supportive team | High | Sprint-3 |
| Administrator | Feedback | USN-12 | I Can give my feedback about the application and I can post my queries. | I can receive acknowledgement | Low | Sprinit-4 |