**Project Design Phase-II**
**Data Flow Diagram &User Stories**

| | |
|---|---|
| Date | 15 October 2022 |
| Team ID | PNT2022TMID32826 |
| Project Name | Smart Farmer - IoT Enabled Smart Farming Application |
| Maximum Marks | 4 Marks |

**Data Flow Diagram :**

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.

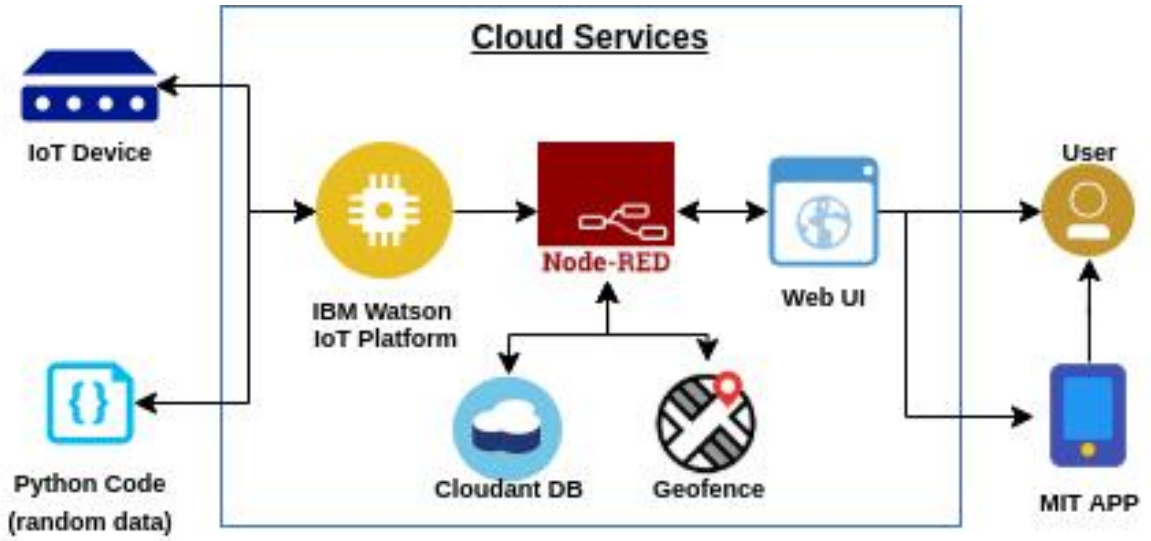
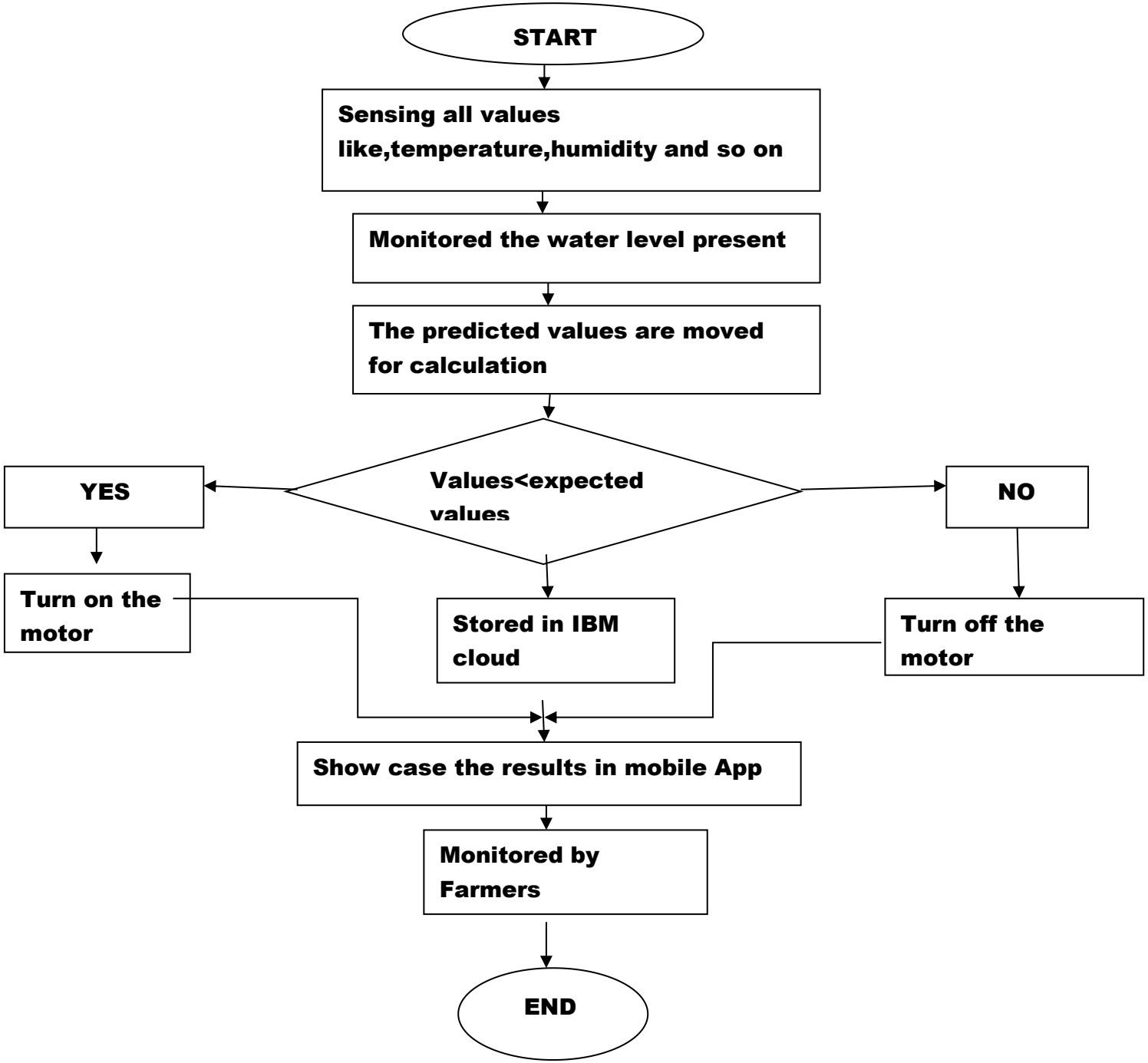



*Figure 1: Architecture and data flow of the smart farming application*


START
Sensing all values like,temperature,humidity and so on
Monitored the water level present
The predicted values are moved for calculation
Values<expected values
YES
NO
Turn on the motor
Stored in IBM cloud
Turn off the motor
Show case the results in mobile App
Monitored by Farmers
END

**User Stories**

Use the below template to list all the user stories for the product.

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority |
|---|---|---|---|---|---|
| Customer (Mobile user) | Configure the Application and 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 |
| | Registration Method 2 | 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 |
| | Registration Method 3 | USN-3 | As a user, I can register for the application through Facebook | I can register & access the dashboard with Facebook Login | Low |
| | Registration Method 4 | USN-4 | As a user, I can register for the application through Gmail | I can register & access the dashboard with Mail Login | Medium |
| | Login | USN-5 | As a user, I can log into the application by entering email & password | I Logged in, and Check out my Dashboard | High |
| | Dashboard | USN-6 | As a user, I can track, analyze and display data. | Authenticated Users are allowed to access | High |
| Customer (Web user) | As per the Mobile Application View | USN-7 | User Friendly Navigation to Access | Easily Navigated through Pages | High |
| Customer Care Executive | Helpline to access and report the data error, if in case | USN-8 | Provided Stability Support to Recover Issues | If the Data is not Shown or Sensors Not Sensing the Value | Low |