Date	11 October 2022
Team ID	PNT2022TMID54368
Project Name	SMARTFARMER – 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.
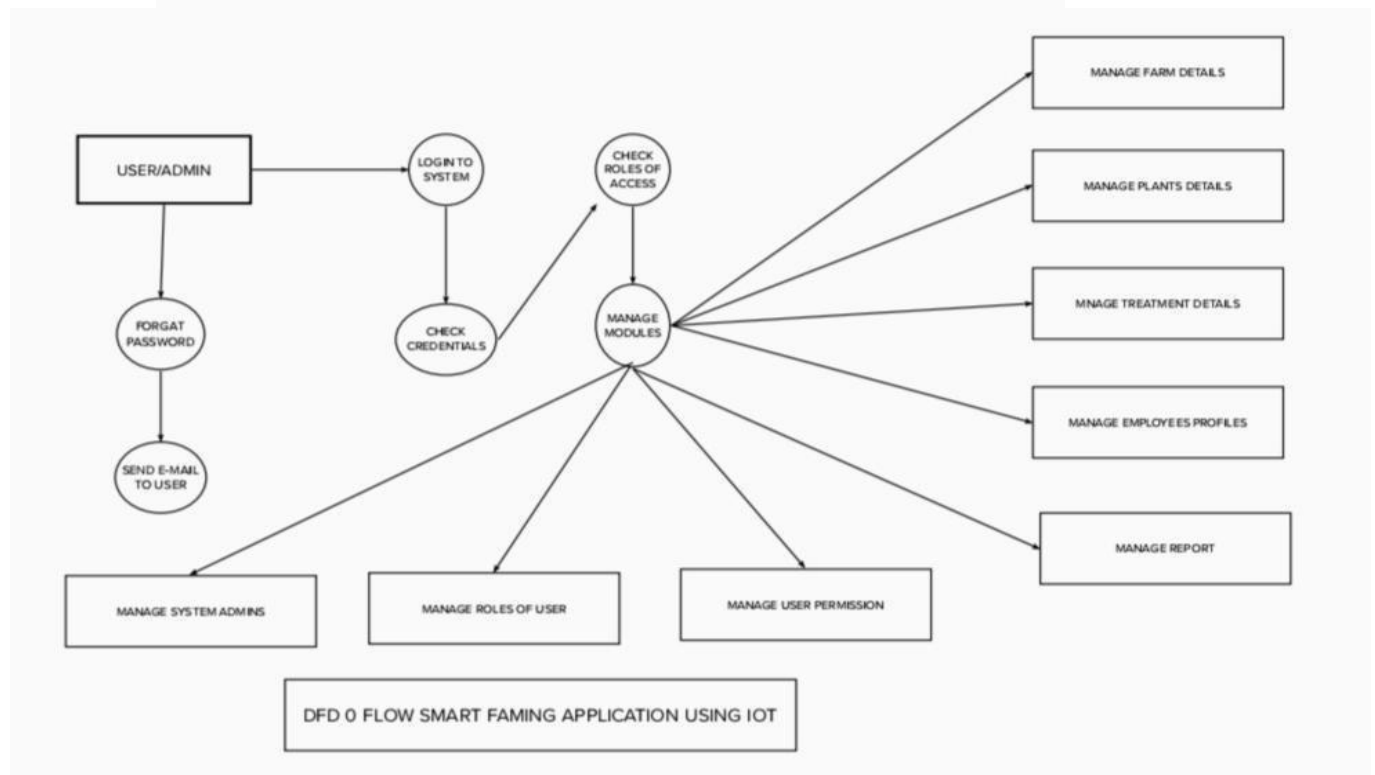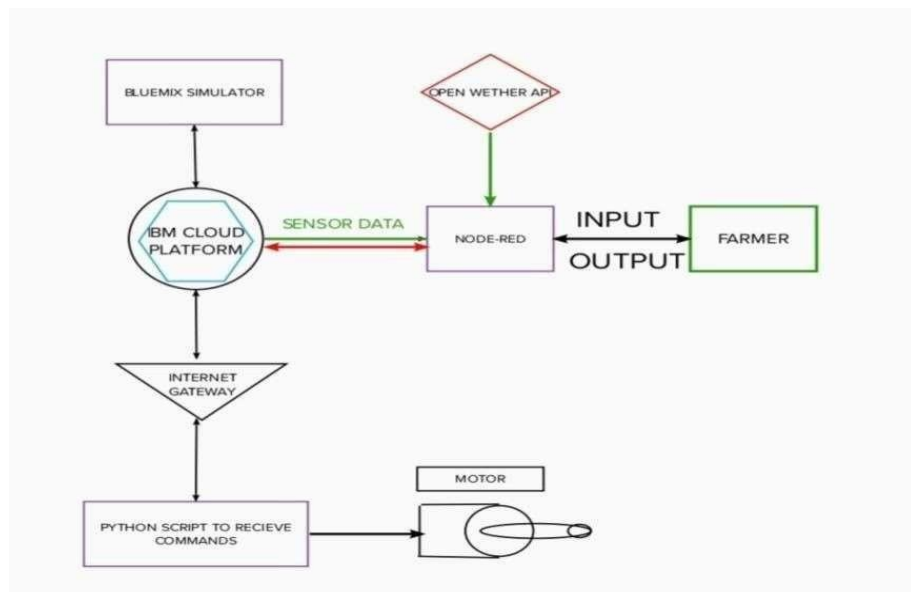
- The various soil parameters, including temperature, moisture content, and humidity, are measured using various sensors, and the results are saved in the IBM cloud.
- Arduino UNO is utilized as a processing unit to process the data gathered from the sensors and weather API data.
- The hardware, software, and APIs are written using NODE-RED as a programming language. For communication, the MQTT protocol is used.
- A mobile application created with MIT App Inventor makes all the collected data available to the user. Depending on the sensor results, a user could choose whether or not to water a crop using an app. They can control the motor switch from a distance using the app.

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	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 emailonce 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 applicationthrough Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the applicationthrough Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application byentering email & password		High	Sprint-1
	Dashboard					
Customer (Web user)						
Customer Care Executive						
Administrator						