Project Design Phase-II
Data Flow Diagram & User Stories

| Date	03 October 2022
Team ID	PNT2022TMID37200
Project Name	Project - IoT Based Smart Crop Protection System for Agriculture
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.

Simplified Flow
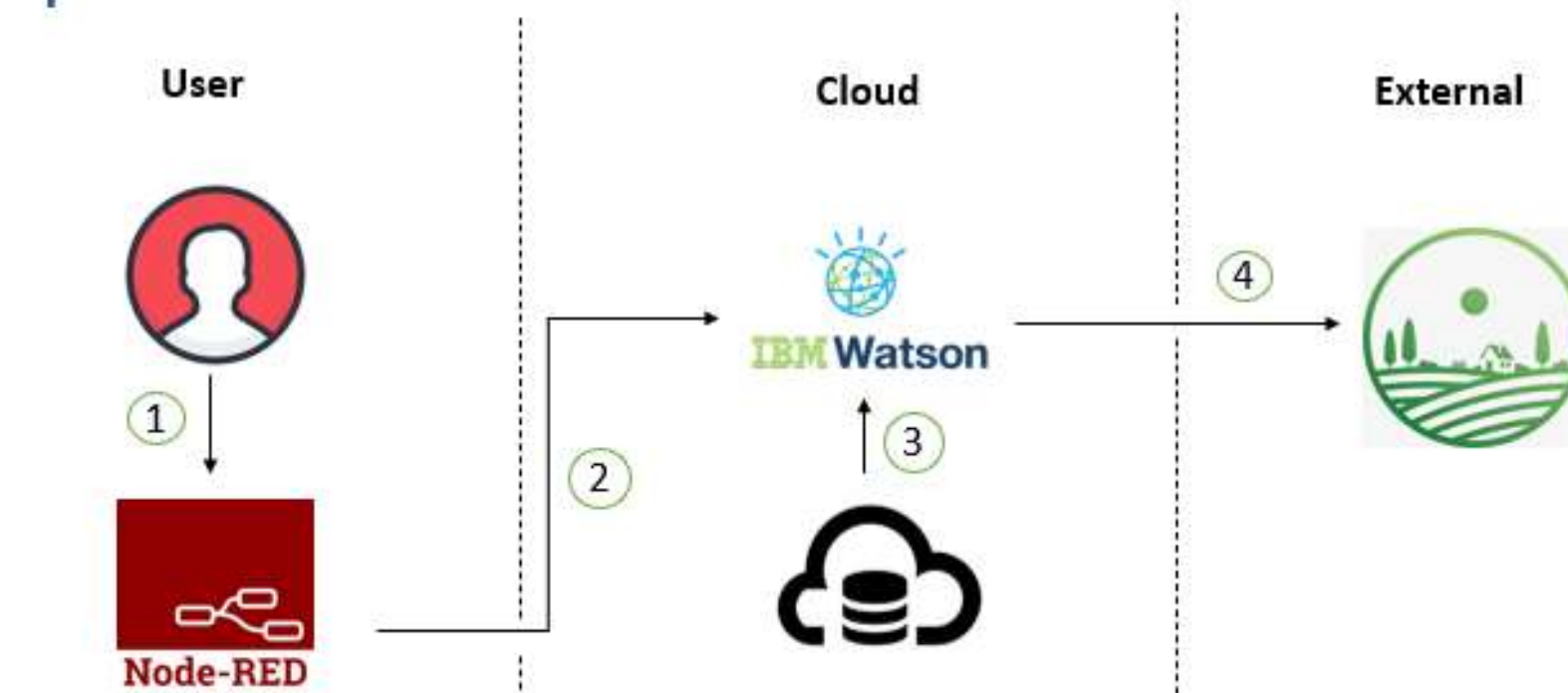
1. User login through Web UI and access the cloud through Node-RED
2. Node-RED plays as bridge between user and cloud
3. Cloud Database is used to store the data of user and information of the systems and for analysing
4. The setup is contents with cloud through IOT Device

DFD Level 0 (Industry Standard)
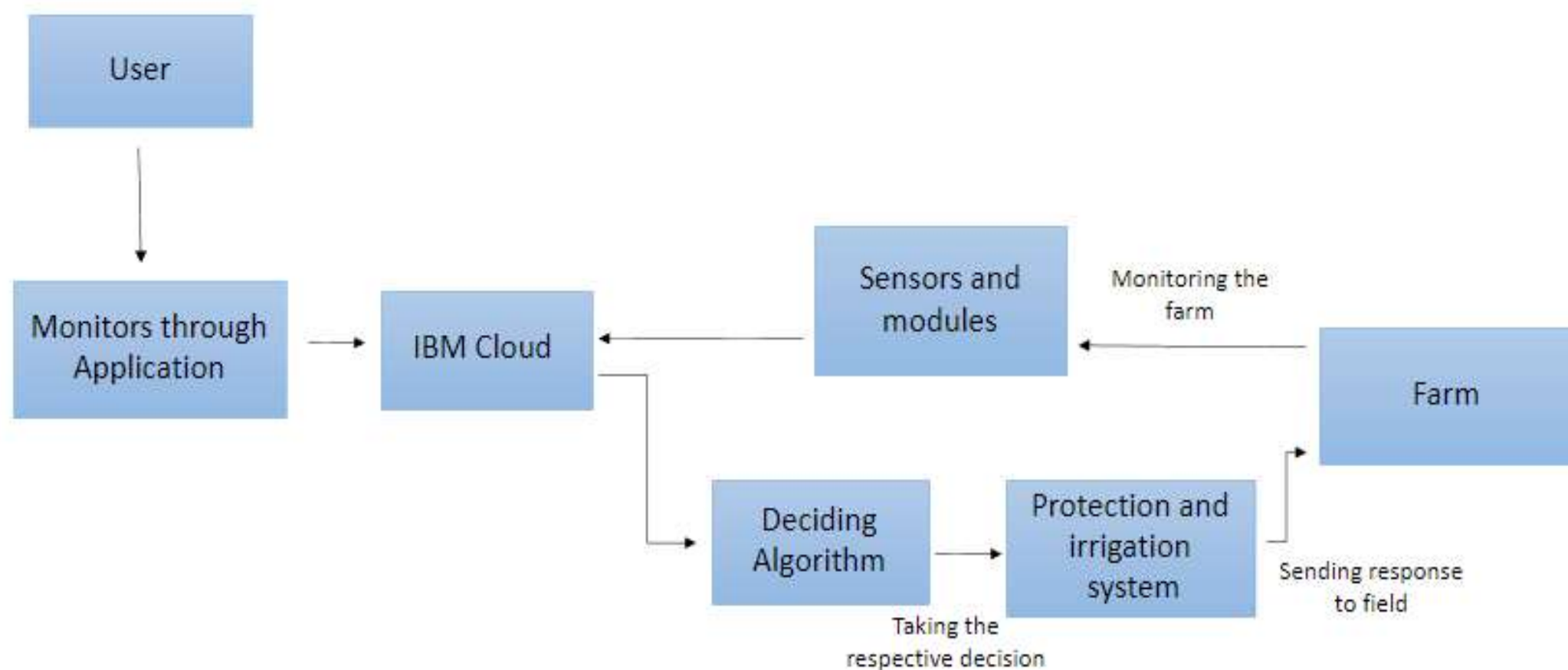
User Stories

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 and create password and profile	I can receive confirmation email & click confirm	High	Sprint-1
		USN-2	As a user, I will receive confirmation through phone number, I once I have registered for the application	I can receive one time password and connect with the phone number.	Medium	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login.	Low	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering email & password	I can access my account / dashboard	High	Sprint-1
	Dashboard	USN-5	As a user, I will able to view the information about my account.	I can access my account information and access the system.	High	Sprint-1
Customer (Web user)	Login	USN-6	As a user, I will able to login from another device when I didn't have my application with me.	I can access my account / dashboard	High	Sprint-2
	Dashboard	USN-7	As a user, I will able to view the information about my account.	I can access my account information and access the system.	High	Sprint-2
Customer Care Executive	Login	USN-8	As a customer care executive, I will able to login through the credentials those are setup by administrator.	I can access my account / dashboard	Medium	Sprint-2
	Dashboard	USN-9	As a customer care executive, I will able to see the customers issues, complaints and feedback.	I can resolve the customer issues and pass it to administrator.	Medium	Sprint-2
Administrator	Login	USN-10	As a administrator, I will login admin username and password.	I can login to the account.	High	Sprint-1
	Dashboard	USN-11	As a administrator, I will access the dashboard of the customer.	I can access the customer dashboard.	High	Sprint-1