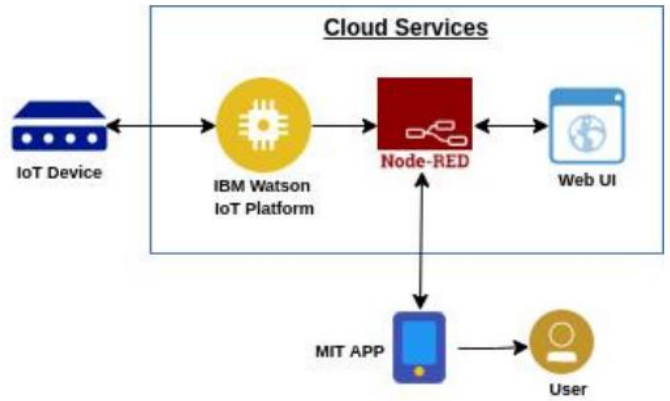
Project Design Phase-II
Data Flow Diagram & User Stories

Date	1 November 2022
Team ID	PNT2022TMID02873
Project Name	Smart farmer – IOT Enabled Smart Farming Application
Maximum Marks	4 Marks

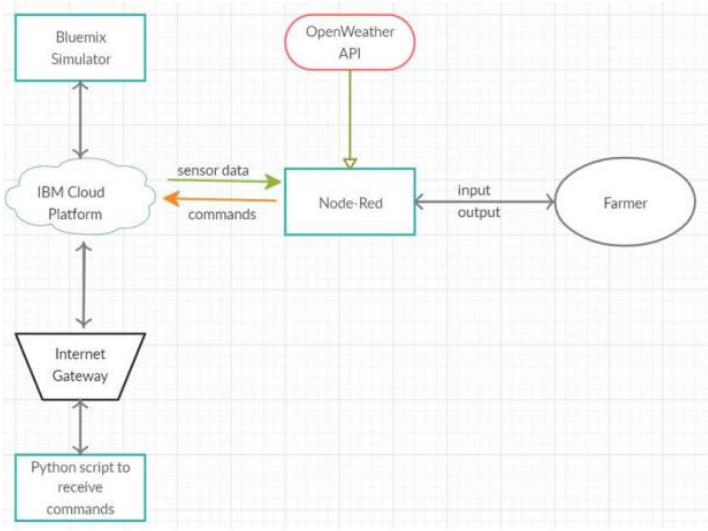
Data Flow Diagrams:

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 Diagram 1:



Data Flow Diagram 2:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer	IOT device	USN-1	As a user I want to install the IOT device in the farm	Detect the soil moisture, humidity, temperature of the farm	High	Sprint-1
		USN-2	As a device want to detect the soil moisture of the farm	To send the soil moisture level to cloud	Medium	Sprint-1
		USN-3	As a device want to detect the humidity of the farm	To send the humidity level to cloud	Medium	Sprint-1
		USN-4	As a device want to detect the temperature of the farm	To send the temperature level to cloud	Medium	Sprint-1
		USN-5	As a device want to send the data to the cloud		High	Sprint-1
Admin	IBM cloud	USN-6	As a admin I want to create the Watson IOT platform		Low	Sprint-2
		USN-7	As a admin I want to receive the data from the device	Check whether the data is received from IOT device	Medium	Sprint-2
		USN-8	As a admin I want to send data to the Node-red		High	Sprint-2
		USN-9	As a admin I want to send the data from Node-red to web UI and MIT app	Use URL to send the data to user	High	Sprint-2
Admin & User	Web UI	USN-10	As a admin I want to create a attractive design to user	Check whether the data is received to the backend of the web UI	High	Sprint-3
		USN-11	As a user I want to see the detected value in web UI		Low	Sprint-3
Admin & User	MIT app	USN-12	As a admin I want to create a attractive design to user	Check whether the data is received to the backend of the MIT app	High	Sprint-4
		USN-13	As a user I want to see the detected value in MIT app		Low	Sprint-4