

Project Design Phase-II

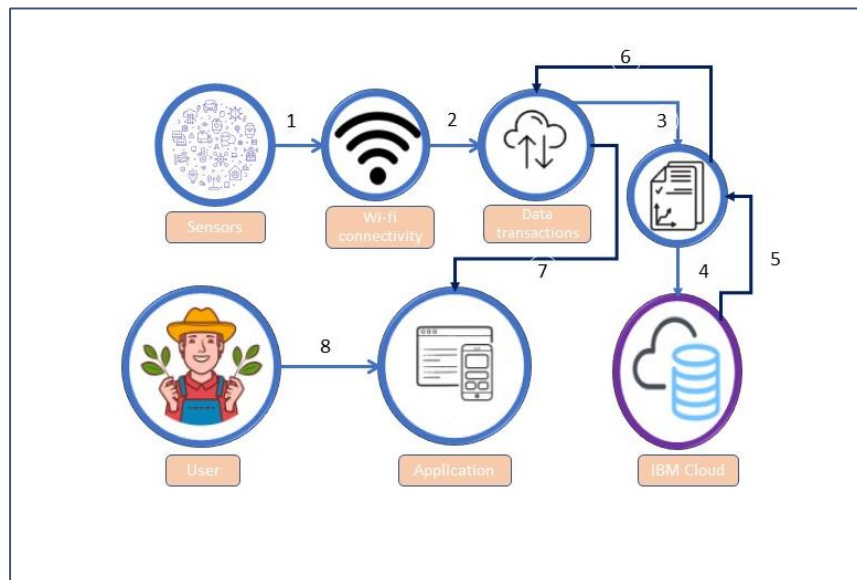
Data Flow Diagram & User Stories

Date	03 October 2022
Team ID	PNT2022TMID19113
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.

Example:



1. The measured characteristic data values of the soil will be measured by the help of the sensors will be collected.
2. The collected data will be then transferred to the IBM Cloud by the use of Wi-fi connectivity support.
3. This transferred data will be then saved to the IBM Cloud.
4. Then the data will be transferred by the data transaction and will be available on the application
5. Again, if the user configures and starts the app. The data(s) will readily displayed in 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	IoT devices	USN-1	Sensors and Wi-fi module	I can access my sensors, motors/dashboard	High	Sprint-1
Customer	Software	USN-2	IBM Watson IoT platform, Workflow for IoT scenarios using Node-Red	To review the parameter's value	High	Sprint-2
Customer	Registration and Login Dashboard	USN-3	To develop an application using MIT app interface As a user, I can register for the application by entering my email, password, and confirming my password.	Development's effectiveness	Medium	Sprint-3
Customer	Web UI	USN-4	User interaction with the software	User can access the app.for the services.	High	Sprint-4