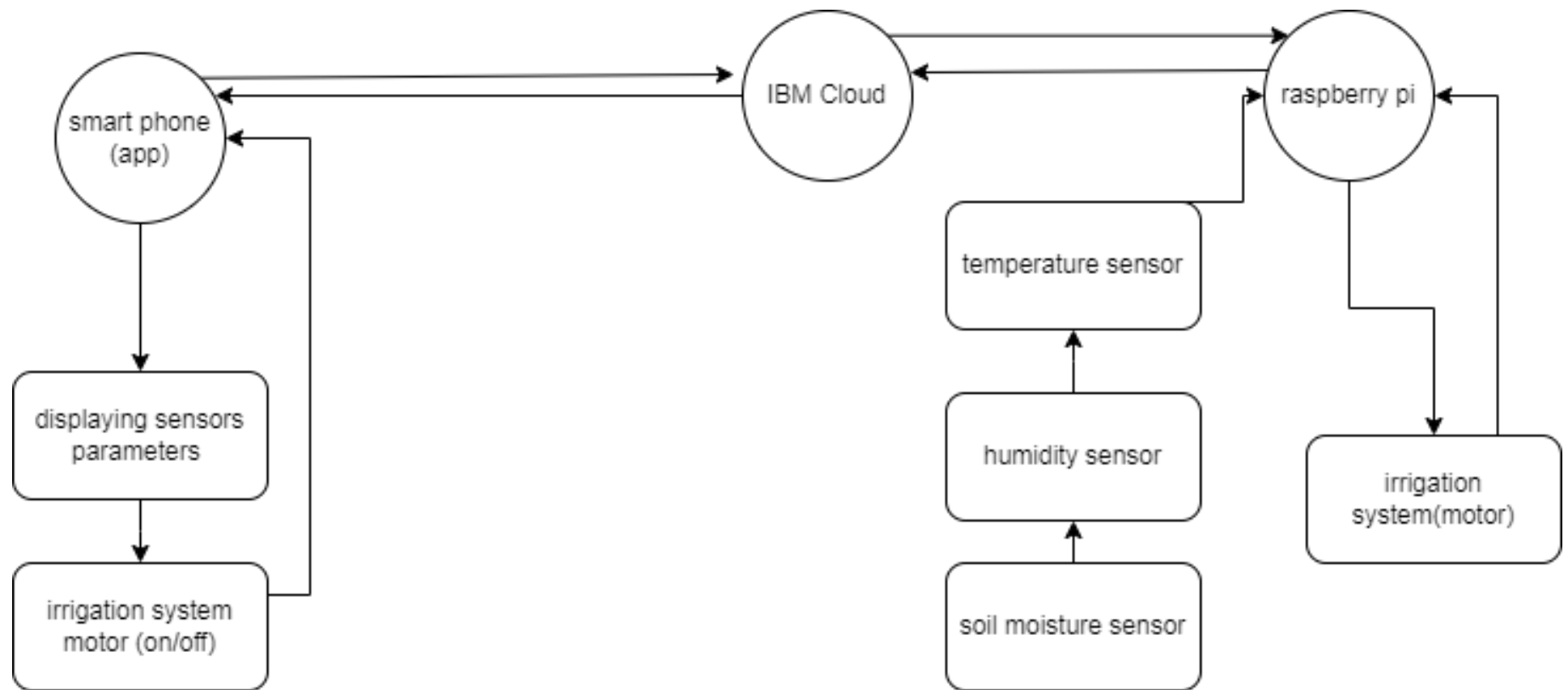


Project Design Phase-II
Data Flow Diagram & User Stories

Date	16 October 2022
Team ID	PNT2022TMID45855
Project Name	Project - 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.



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
farmer (Mobile app)	displaying sensor parameters	USN-1	farmer can view temperature, humidity and soil moisture in his mobile connected to ibm cloud	displaying sensor parameters	High	Sprint-1
farmer (Mobile app)	controlling irrigation	USN-2	after seeing the sensor parameters farmer can turn on or off the irrigation system(motor) using mobile phone	controlling irrigation system	High	Sprint-1
raspberry pi	microcomputer setup in farm field	USN-3	temperature sensor, humidity sensor, soil moisture sensor and irrigation system is interface with raspberry pi which is connected to IBM cloud	smart farming system is setup in farm field	high	Sprint-2
IBM cloud	Iot(data transfer)	USN-4	raspberry pi is connected to IBM cloud to monitor and control farm field remotely using internet	data exchange using internet	Medium	Sprint-1