Project Design Phase-II
Data Flow Diagram & User Stories

Team ID	PNT2020TMID13187
Project Name	Smart Farmer - IoT enabled smart Farming Application

Data Flow Diagram:
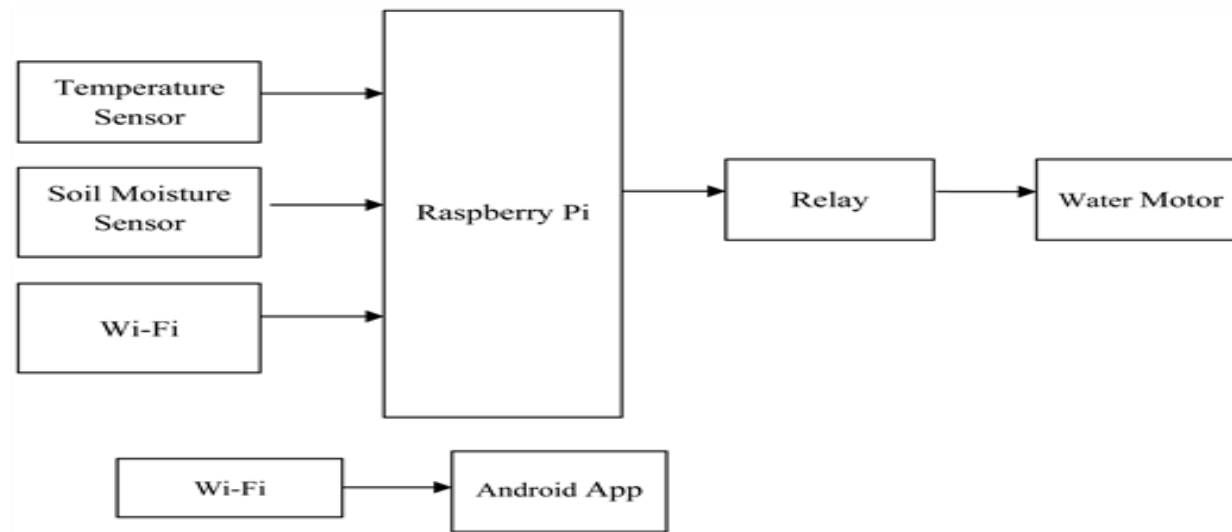
User Data:

User Type	Functional Requirement	User Number	User Task	Acceptance criteria	Priority	Release
Farmer (Mobile app)	Displaying sensor parameters	USN-1	Farmer can view temperature, humidity and soil moisture in his application	Display the actual data	High	Sprint-1
Farmer (Mobile app)	Controlling irrigation	USN-2	After seeing the sensor parameters farmer can turn on or off the irrigation system using mobile notification.	Controlling field using the application	High	Sprint-1
Raspberry pi	Microcomputer setup in farm field	USN-3	Temperature sensor, humidity sensor, soil moisture sensor and irrigation system is interface linked with raspberry pi and IBM cloud	Using IoT smart farming to control the field	High	Sprint-2
IBM cloud	Collecting data	USN-4	Raspberry pi is connected to IBM cloud to monitor and control field remotely using internet and backup data.	Data exchange using internet	Medium	Sprint-1