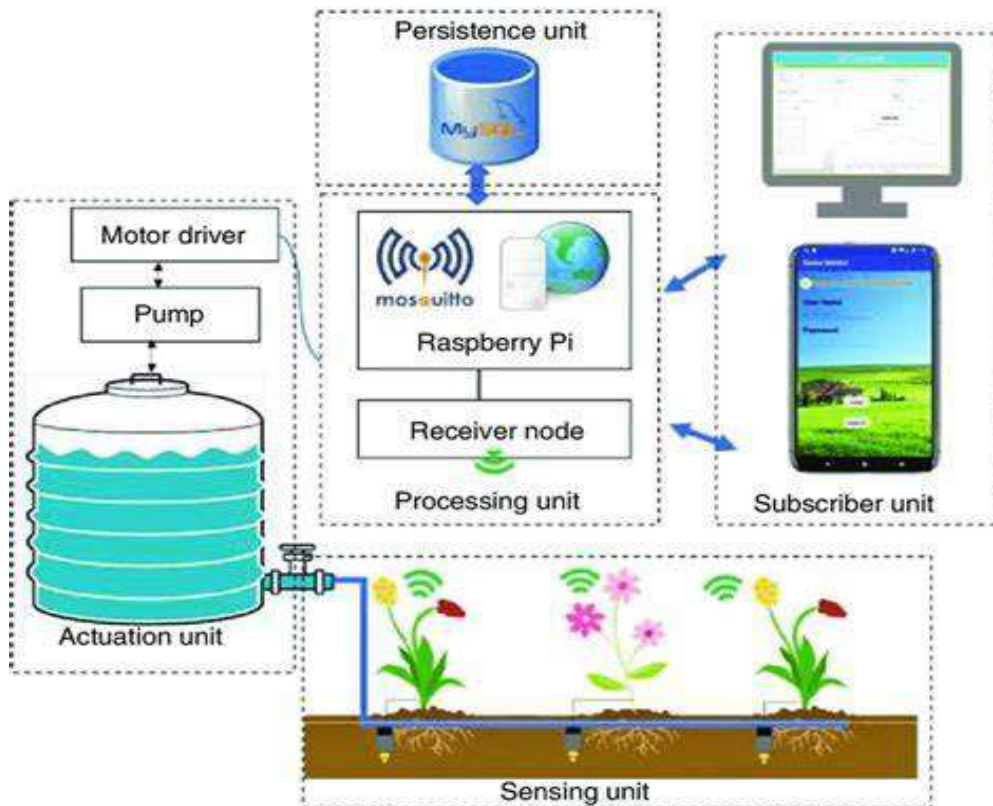


Project Design Phase-II  
Technology Stack

Date	31 October 2022
Team ID	PNT2022TMID43889
Project Name	Smart Farmer - IOT based smart farming Application
Maximum Marks	4 Marks



Components	Descript on	Technology
User interface	User interface with the equipment using mobile app ,web UI	HTML, CSS, JavaScript /Angular JS/ React JS
Appl cat on logic 1	Logic for detecting the status of the sensors	python
Appl cat on logic 2	Logic for detecting the level of water	Arduino IDE
Appl cat on logic 3	Logic for controlling process of irrigation system	Raspberry pi
Cloud data base	Database Service on Cloud	IBM DB2, IBM Cloudant, IBM Watson, Node red service
File storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

Table 1: components and Technologies

Characterist cs	Description	Technology
Throughout	High Efficiency is achieved	Using IOT
Scalabi ty	To accommodate future changes in use and occupancy	Update can be made easily using mobile app

Table-2: Application Characteristics