Project Design Phase-II
Technology Stack

Date	03 October 2022
Team ID	PNT2022TMID21246
Project Name	Smart Farmer - IOT based smart farming Application
Maximum Marks	4 Marks
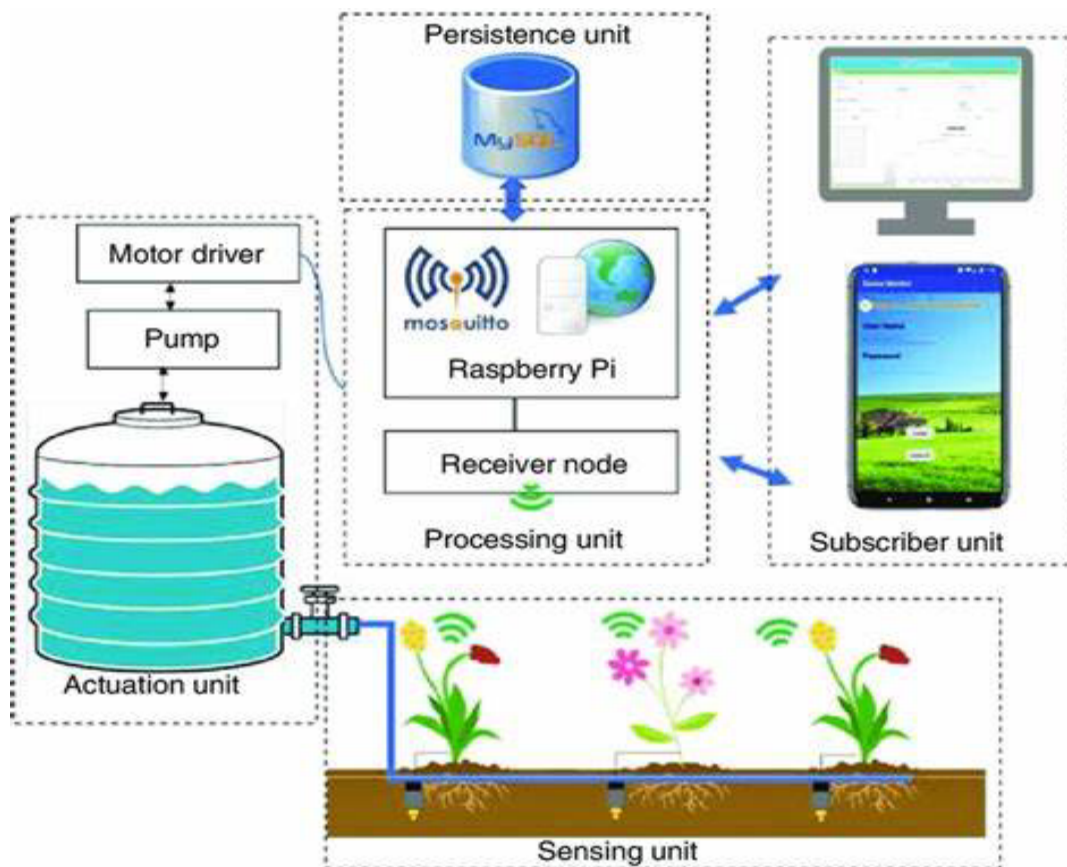
Components	Description	Technology
User interface	User interface with the equipment using mobile app ,web UI	HTML, CSS, JavaScript /Angular JS/ React JS
Application logic 1	Logic for detecting the status of the sensors	python
Application logic 2	Logic for detecting the level of water	Arduino IDE
Application logic 3	Logic for controlling processof irrigation system	Raspberry pi
Cloud data base	Database Service on Cloud	IBM DB2, IBM Cloudant, IBMWatson, Node red service
File storage	File storage requirements	IBM Block Storage or OtherStorage Service or Local Filesystem

Table 1: components and Technologies

Characteristics	Description	Technology
Throughout	High Efficiency is achieved	Using IOT
Scalability	To accommodate future changes in use and occupancy	Update can be made easilyusing mobile app

Table-2: Application
Characteristics