Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	08 Novemberr 2022
Team ID	PNT2022TMID40222
Project Name	Project - SmartFarmer - IoT Enabled Smart Farming Application
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
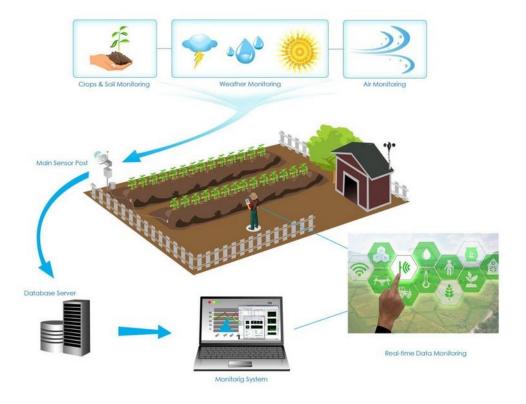
Table 1:

S.No	Component	Description	Technology
1.	User Interface	Web UI, Mobile App	python
2.	Application Logic-1	Logic for a process in the application	Python
3.	Application Logic-2	Logic for a process in the application	IBM Watson STT service
4.	Application Logic-3	Logic for a process in the application	IBM Watson Assistant
5	Cloud Database	Database Service on Cloud	IBM Cloudant
6	External API-1	Purpose of External API used in the application	IBM Weather API, etc.
7	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Cloud Foundry

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Open weather api service	Technology of Opensource framework
3.	Scalable Architecture	Compatable for all android devices	MIT app inventor
4.	Availability	Available for all android devices	MIT app inventor
5.	Performance	The command will be updated with in 2 seconds	Python and IBM Watson IOT device