Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	06 October 2022
Team ID	PNT2022TMID33042
Project Name	Smart Farmer
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	-Registration through the app if customer wants to identify the water level -They can make use of this app
FR-2	User Confirmation	-Confirmation code for registration will send through ah email ID.for verification ,OTP will send through email
FR-3	Login	-Login through valid user id. -Login through valid password.
FR-4	Display water level	-In this system,temperature sensor detect the water level through climate changes and indicates required amount of water necessary to the field
FR-5	Review of indicating water level	-By using this app temperature sensor sends out the alert whenever the field requires water and indicates the level of water
FR-6	Logout	-After using this app,for indication of water level and detecting the required amount of water,customer will logout with satisfaction

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	-The software should be easily used by the customer
NFR-2	**Security**	-This application is used for alerting the farmer whenever water level increase or decrease in the field
NFR-3	**Reliability**	-The ability of the system to behave constantly in a user acceptable manner.when it is operated within the environment for which the system was intended
NFR-4	**Performance**	-The app should be able to handled by the farmer for alerting the water level in the field
NFR-5	**Availability**	-The system should be available all time.the user can access it using web browser when server becomes down
NFR-6	**Scalability**	-It can be performed at software ,haedware,and database level