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

Date	15 October 2022
Team ID	PNT2022TMID49973
Project Name	Smart farming -IOT Enabled Smart farming Application
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 Form Registration through Gmail Registration through Linkedin
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	System login	Check authorization Check access
FR-4	Manage schedule	Manage system admins Manage user consent Manage user
FR-5	Check details	Moist details Temperature details
FR-6	Log out	Exit

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Usability specify the quality attributes of system. This requirement can be the speed with which a system must perform to satisfy user expectations
NFR-2	**Security**	Sensitive and individual data must be secured by their proffering until the decision-making storing stages
NFR-3	**Reliability**	This focused on the promise dataset is used. The model uses diligence and shared protection to neglect farm service
NFR-4	**Performance**	It requires low power consumption and low data transmission rates. This idea of implementation combined sensors with soil and environmental parameters.
NFR-5	**Availability**	These quality characteristics considered are cost, sensitivity, design complexity, storage capacity, development process, response criteria and environmental impact and farming equipment made possible like crops, weather , humidity, etc

NFR-6	**Scalability**	It is the major concern for IoT platform. It has different choices of IOT platform affect system and real time accountability in an environment.