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

Date	20 october 2002
Team ID	PNT2022TMID54503
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**	The quality attributes of a system are specified by its usability. This requirement can be the rate at which a system must perform in order to meet user expectations.
NFR-2	**Security**	Individual and sensitive data must be safeguarded by their provision until the decision-making storing stages.
NFR-3	**Reliability**	The promise dataset is used in this case. To avoid farm neglect, the model employs diligence and shared protection. service
NFR-4	**Performance**	Low power consumption and data transmission rates are required. This implementation concept integrated sensors with soil and environmental parameters.
NFR-5	**Availability**	Cost, sensitivity, design complexity, storage capacity, development process, response criteria, and environmental impact and farming equipment made possible by crops, weather, humidity, and so on are among the quality characteristics taken into account.

NFR-6	**Scalability**	It is the primary concern for the IoT platform. It has various IOT platform options that affect the system and in real time. Accountability in the workplace