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

Date	03 October 2022
Team ID	PNT2022TMID14790
Project Name	SMART FARMER – IOT ENABLED SMART FARMING APPLICATIONS
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 Gmail Registration through Microsoft
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Log in to system	Confirm the security code and log in to the system
FR-4	Check Credentials	Check credentials, after login
FR-5	Manage Modules	1. Manage System admins 2. Manage Roles of user 3. Manage User permission and etc.
FR-6	Logout	Check Temperature, Humidity, Soil moisture and Logout of existing application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Having most simple UI and also providing User guidelines with simple language
NFR-2	**Security**	Data of users and Credentials must be protected until decision-making and storage stages
NFR-3	**Reliability**	The product uses dedicated and shared protection schemes to avoid farm service outages along with protection to data.
NFR-4	**Performance**	Quality sensors for sensing soil and weather will be more efficient for overall monitoring.
NFR-5	**Availability**	All platforms – Windows, IOS, Android and MAC
NFR-6	**Scalability**	Scalability refers to the ability to increase available resources and system capability without the need to go through a major system redesign or implementation.