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

Date	October 2022
Team ID	PNT2022TMID43153
Project Name	SMART FARMER-IoT ENABLED 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	Data base management	Datas are collected in IBM Cloud Stored in the database
FR-4	Functionality	Designed for farmers with all standard requirements
FR-5	User Interface	System is provided with easy enabling via App
FR-6	Purpose	Control and Improve crop yield

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This application can be used by the farmers who seek for better solution in farming
NFR-2	**Security**	Every nodes and its data will be protected.
NFR-3	**Reliability**	Large number of services will be provided with trusted end to end connection to all the farmers
NFR-4	**Performance**	Optimized based on time and space complexity
NFR-5	**Availability**	For Farmers who have passion towards improving the good quality yield
NFR-6	**Scalability**	Scaled using microservice architecture