

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

Team ID	PNT2022TMID06322
Project Name	SMART FARMER-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	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