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

Date	03 October 2022
Team ID	PNT2022TMID04781
Project Name	SmartFarmer - 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 Monitoring	Monitoring Temperature Monitoring Humidity Monitoring Moisture Monitoring Motor state
FR-2	User select mode	Confirmation system mode Auto/Manual
FR-3	User Controls	Change the motor state ON/OFF

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Simple and easy to use, 24x7 access through Web/Mobile Application
NFR-2	**Security**	cloud integrations
NFR-3	**Reliability**	IBM Watson IoT platform has session timeout, Username & Password authentication
NFR-4	**Performance**	Lightweight Application, 200 requests/second
NFR-5	**Availability**	24x7 in IBM Cloud server
NFR-6	**Scalability**	2 – tier, Micro-services