Project Design Phase-II	
Solution Requirements (Functional & Non-functional)	
Team ID	PNT2022TMID07016
Project Name	Smart Farmer - IoT Enabled Smart Farming Monitoring 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)
Online		
FR-1	User Registration	Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Cloud Account	Creating an IBM cloud account Sign in and confirmation via OTP/Mail
FR-4	MIT App Account	Download MIT App Sign up/Sign in MIT App Confirmation via OTP/Mail
Offline		
FR-1	Sensor Setup	Setting up of required sensors in required places Connecting the main controller to the IBM cloud platform

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability includes easy learnability, efficiency in use, remembering, and subjective pleasure.
NFR-2	Security	Data will be protected from their production until the decision-making and storage stages.
NFR-3	Reliability	By using a share protection scheme we can provide better security at optimal cost
NFR-4	Performance	The idea of implementing integrated sensors in the field will be more efficient for overall monitoring.
NFR-5	Availability	Data is will stored in the cloud and so will be available globally.
dNFR-6	Scalability	Since cloud technology has a variety of scalability options we can scale based on the needs in real-time