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

Date	16October 2022
Team ID	PNT2022TMID26062
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 Registration/Login	Phone Application And Wifi Module.
FR-2	User Permission	User permission for irrigation via Mobile Application And software Web UI Application
FR-3	Log in / App	Check Id / username And Check Roles access.
FR-4	Check whether details	Temperature and Humidity details
FR-5	Log out	Exit

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User-friendly Interface and learn to ability, efficiency in use, remember ability, lack of errors in
NFR-2	**Security**	Sensitive and private data must be protected from their production until the decision-making and storage stages
NFR-3	**Reliability**	The shared protection achieves a better trade-off between costs and reliability. Accuracy of data
NFR-4	**Performance**	The process of the usage is easy and simple which allows to monitor and control with application's stability and accuracy
NFR-5	**Availability**	Automatic adjustment of farming equipment made possible by linking information like crops and weather

NFR-6	Scalability	we can upgrade the Smart farming Application automatic real time decision -making is feasible in an environment composed of dozens of thousand