

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

Date	24 October 2022
Team ID	PNT2022TMID38157
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/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	<b>Usability</b>	User-friendly Interface and learn to ability, efficiency in use, remember ability, lack of errors in
NFR-2	<b>Security</b>	Sensitive and private data must be protected from their production until the decision-making and storage stages
NFR-3	<b>Reliability</b>	The shared protection achieves a better trade-off between costs and reliability. Accuracy of data
NFR-4	<b>Performance</b>	The process of the usage is easy and simple which allows to monitor and control with application's stability and accuracy
NFR-5	<b>Availability</b>	Automatic adjustment of farming equipment made possible by linking information like crops and weather

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