

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

Date	15 October 2022
Team ID	PNT2022TMID30802
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	Via WIFI Via Phone number
FR-2	User Permission	User permission for irrigation via mobile application/web application

**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 to facilitate the user with easy processing. Model provides visual representation of parameters
NFR-2	<b>Security</b>	Authentication - User can have his/her own private dashboard to have secured access
NFR-3	<b>Reliability</b>	The application will allow to monitor and control the irrigation system from remote location anytime
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>	The Application can used to control and monitor from anywhere at any time according to the comfortability of the farmer.
NFR-6	<b>Scalability</b>	In future we can upgrade the Smart farming Application which can be used to various types of crops in field.