

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

Date	03 October 2022
Team ID	PNT2022TMID53630
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	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Creating username Creating password Accessing the website
FR-4	Reset Password	Changing the password when user forgot the old password Receiving a link to confirmed mail address or phone number Entering new password
FR-5	User Authentication	Changing password occasionally Adding security questions
FR-6	User logout	Confirmation for logging out Resetting view with generic data

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Our product provides the ease at which the users operate the system and make productive use of it since the software and hardware part is easily understandable.
NFR-2	<b>Security</b>	Our product assures that all data inside the system or its part will be protected against malware attacks or unauthorized access by having authentication keys and tokens.
NFR-3	<b>Reliability</b>	Our product is more reliable because our software system consistently performs the specified functions without any failure
NFR-4	<b>Performance</b>	Our product is capable to provide the necessary functionalities to the users
NFR-5	<b>Availability</b>	Our system is accessible to the user at a given point in time
NFR-6	<b>Scalability</b>	Our product enables continuously transmitting data through web dashboard without causing any interference