

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

Date	03 October 2022
Team ID	PNT2022TMID50828
Project Name	Project – 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		
FR-4		

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Limit the feasibility, The goal that is that automation would reduce operator workload and fatigue and increase work efficiency by allowing faster and more precise control of multiple simultaneous tasks.
NFR-2	Security	The Adoption of sensors based technologies and cloud supported smart applications in agriculture has unleashed opportunities for adversaries to orchestrate cyber attacks.
NFR-3	Reliability	Smart farming has enabled farmers to reduce waste and enhance productivity with help of sensors (light, humidity, temprature, soil moisture ,etc.)

NFR-4	Performance	The agricultural sector plays an important role in contributing to the economics of a country. The IoT-based agriculture leads to lucrative yields and there are several types of platforms used by farmers in increasing agricultural yields
NFR-5	Availability	Remote Management. farmers are seeking a better solution to their management issues.Real-Time Crop Monitoring. Crop Protection. Soil Testing & its Quality.Smart Greenhouses.
NFR-6	Scalability	Smart farming can make agriculture more profitable for the farmer. Decreasing resource inputs will save the farmer money and labor, and increased reliability of spatially explicit data will reduce risks.