

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

Date	15 October 2022
Team ID	PNT2022TMID49497
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 Linked IN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Certification Requirements	Regulation Rules Profession wide.
FR-4	Authorization	Healthcare provider user group
FR-5	Business rules	Decision-making marketing..
FR-6	External interfaces	Wide Area Network (WAN) screen layouts.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Use of fertilizers, Irrigation, and scheduled planting operation
NFR-2	Security	Crops could be protected from these diseases use pesticides and biocontrol agents.
NFR-3	Reliability	Reducing deforestation, conserving natural resources and curbing soil erosion.
NFR-4	Performance	Agricultural productivity depends on the quality of the seeds with which farmers show their fields.
NFR-5	Availability	Farming methods require growers' appropriate plant protection strategy and training
NFR-6	Scalability	The application of sensors and automated irrigation practices can help monitor agricultural land