

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

Date	03 October 2022
Team ID	PNT2022TMID34125
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	External Interfaces	Wide Area Network Screen layouts
FR-4	Business rules	Decision making
FR-5	Authorization	Healthcare provider User group
FR-6	Certification Requirements	Regulation Rules Profession wide

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
NFR-2	Security	Reducing drudgery in agriculture by promoting appropriate technology
NFR-3	Reliability	Conserving natural resource and reducing deforestation
NFR-4	Performance	Agricultural productivity can be increased by making maximum use of resources and minimising the environmental impact.
NFR-5	Availability	Farming methods requires growers appropriate protection strategy and training
NFR-6	Scalability	Scalability in smart farming refers to the adaptability of a system to increase the capacity. Scalability and scaling approach of a good solution will depend very

		much on the economic benefit and on the increased welfare of the farm inhabitants.
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