

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	31 October 2022
Team ID	PNT2022TMID29912
Project Name	Project SmartFarmer-lot 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 Gmail Registration through Form
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Log in to System	Check credentials check Role of Access.
FR-4	Manage Modules	Manage System Admin Manage Roles of User Manage User permission
FR-5	Check Credentials details	Temperature details Humidity details
FR-6	Log out	Exit the application

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usability includes easy learn ability, efficiency in use ,remember ability ,lack of errors in operation and subjective pleasure
NFR-2	Security	Sensitive and private data must be protected from their production until the decision-making and storage stages.
NFR-3	Reliability	The shared protection achieves a better trade-off between costs and reliability.
NFR-4	Performance	The idea of implementing sensors with sensing soil and environmental or ambient parameters in farming will be more efficient for overall monitoring.