Project Design Phase – 2

Solution Requirements (Functional & Non-functional)

Date	17 October 2022
Team ID	PNT2022TMID49320
Project Name	SmartFarmer-IoT Enabled Smart Farming Application
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirements (Epic)	Sub Requirements (Story / Sub-Task)
FR-1	User Registration	Register to mail ID in application. User basic details register to application.
FR-2	User Configuration	Confirmation via EMAIL and to get the OTP in application . User to register in confirmation OTP for application and ready to access.
FR-3	The product essentially converts smart farmer -Io T enabled smart farming application	To measure a temperature of the land and humidity. Then planting, watering ,fertilizing to waiting for the plant growth.
FR-4	Harvesting the plant	Get the plant detail in our mobile for every day. To check the notification in oru mobile.

Non-functional Requirements:

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

FR No.	Non-Functional Requirements	Description

NFR-1	Usability	Indicates how effectively and easy users can learn and use a system.
NFR-2	Security	Assures all data inside the system or its part will be protected against malware attacks unauthorized access.
NFR-3	Reliability	Specifies the probability of the software performing without failure for a specific number of uses or amount of time.
NFR-4	Performance	Deals with the measure of the system's response time under different load conditions.
NFR-5	Availability	Describes hoe likely the system is accessible for a user at a given point in time.
NFR-6	Scalability	Assesses the highest work loads under which the system will still meet the performance requirements.