

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

Date	07 October 2022
Team ID	PNT2022TMID38652
Project Name	Project - SmartFarmer - 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	User Location	Share the Location through the Mobile Phones Share the Location through the System
FR-4	User Enter the No. of Acres	Mention the Number of Acres through Smart Farming Applications
FR-5	User Select the Category	Select the Display Option like Weather, Drone Services, Soil Testing etc..
FR-6	Confirmation of User Details & Payment Process	Enter the Valid Data and Payment through Online Transaction

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User Friendly Guidelines are Available for the User in the Application
NFR-2	Security	User Data Should be More Securable in the Application from Unknown Person
NFR-3	Reliability	Once the Database is Updated the User can Access the Data at Anytime
NFR-4	Performance	The Front-Page Load Time Must be no More Than 5 Seconds for the User Based on the Network Connection
NFR-5	Availability	In Future Any Modification in the Application it will not Affected the User Data also Front-end & Back- end of the Application
NFR-6	Scalability	The Website Traffic Limit Must be Scalable