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

Date	03 October 2022
Team ID	PNT2022TMID17614
Project Name	Project - 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 Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Location	Share the Location through the Mobile Phones
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**	The process of protecting data from Unauthorized Access
NFR-3	**Reliability**	Consistency and Accuracy and the shared protection achieves a better trade-off between costs and 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, if there is any modification in the application it will not affect the user data and also frontend & Back- end of the Application
NFR-6	**Scalability**	The Website traffic limit must be scalable