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

Date	14 October 2022
Team ID	PNT2022TMID05038
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 Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Account Creation	Users should create an account in the web application to order the product.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Order Confirmation	Order is confirmed by a prompt message and redirected to the payment page.
FR-4	Payment	Payment can be made either through any online platform or can be paid at the time of delivery.
FR-5	Field Visit	A small field visit is made by the expert team to plan the product installation.
FR-6	Adding user data	A few data are added in the device before the installation to send sms and cloud storage.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Since the product is completely autonomous there is no need for extensive care.
NFR-2	**Security**	Since the has its own login credentials for both user and cloud login it makes it secure against data theft.
NFR-3	**Reliability**	The physical structure of the product is enclosed using waterproof and non corrosive materials it makes it reliable to use.
NFR-4	**Performance**	The performance of the device increases gradually based on the sensor data collected from the filed.
NFR-5	**Availability**	This system requires an active internet connection for better functioning and offsite control. But it can also work offline but users cannot monitor remotely.
NFR-6	**Scalability**	It can be scaled easily according to the area.