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

Date	15 October 2022
Team ID	PNT2022TMID30663
Project Name	Project -Smart Farmer IOT Enabled smart Farming Application
Team Members	Sevvanthi D, Preethika S, Pavithra M, Sowmiya N
Maximum Marks	4 Marks

Functional Requirements:

Functional requirements are product features or functions that developers must implement to enable users to accomplish their tasks. So, it's important to make them clear both for the development team and the stakeholders.

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	Tracking the order	Using GPRS
FR-4	Confirmation order delivered	Confirmation via Phone Confirmation via Gmail

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description

NFR-1	**Usability**	Data Collection in Farming Data analytics about Crops Connectivity between Customer and Farmer Monitoring the crop field
NFR-2	**Security**	Security Drones can Monitor the crops alarm for alert Measuring the fertilizer according to Use Customer can access the data by using the Authentication Key
NFR-3	**Reliability**	statistical probability of crops determinate circumstance mission time
NFR-4	**Performance**	Plan the Objective about Crops Act should be implement to grow crops Track progress Review the Achievements and progress
NFR-5	**Availability**	Good environment Land for cultivating Needed levels of pesticides are available
NFR-6	**Scalability**	Decision-making is feasible Livestock production Fossil energy