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

Date	16 October 2022
Team ID	PNT2022TMID38376
Project Name	IOT Based Smart Crop Protection System for Agriculture
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 Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Proof of Identity	Customers can only register single account with one mail account on their respective mobile.
FR-4	Credit Score and History	Customers will be provided a premium package to access the information. Customers can check the status of their crop online anywhere.
FR-5	Recommendation and Advice	Customers will be provided various recommendation and advice based on previous history.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Customers can use the application in almost all web browsers. It will indicate the people through notifications .
NFR-2	**Security**	Customers are asked to create an account for themselves using their email which is protected with an 8-character-long password, making it more secure.
NFR-3	**Reliability**	Customers can raise their queries and will be replied with a valid reply, as soon as possible, making the application even more reliable and trustworthy.
NFR-4	**Performance**	Customers will have a smooth experience while using the application, as it is simple and well optimized.
NFR-5	**Availability**	Application is available 24/7 as it is hosted on IBM Cloud and can be used anywhere.
NFR-6	**Scalability**	In future it can be linked to form a smart agriculture system without the need of farmers supervise.