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

Date	13 October 2022
Team ID	PNT2022TMID44389
Project Name	Project - Fertilizers Recommendation System for Disease Prediction
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 Profile	Log in Access the Profile
FR-4	Image Processing	Capture the image of the plant disease Analyze the plant disease that is send by the user
FR-5	Prediction	Compare the image with the trained data in the model and predict the disease.
FR-6	Recommend	Based on the predicted disease the software recommend fertilizers.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Fertilizer recommendation are created and saved then these recommended fertilizers are used by farmers for plant disease.
NFR-2	**Security**	The software keeps the users information more securely.
NFR-3	**Reliability**	Creating the interactive dashboard which is easy to understand and useful for the users.
NFR-4	**Performance**	It is a user friendly software and have high performance.
NFR-5	**Availability**	Software application is available for every user and they can easily access them.
NFR-6	**Scalability**	The proposed precision agriculture structure allows the implementation of a flexible methodology that can be adopted to different types of crops.