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

Date	03 October 2022
Team ID	PNT2022TMID53344
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 application
FR-2	User Confirmation	Confirmation via Email
FR-3	Image Uploading	Capturing the images of the leaf from multiple angles
FR-4	Image Processing	Filtering out diseased leaves from the uploaded leaf images.
FR-5	Disease Prediction	Type of disease present in the leaf is identified
FR-6	Fertilizer Recommendation	Appropriate fertilizer is recommended

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The application targets a wide range of end users and allows them to access the app anywhere at ease.
NFR-2	**Security**	The application provides security by collecting data from the users that is only necessary for disease prediction model and stores in an encrypted format.

NFR-3	**Reliability**	Final disease prediction & fertilizer suggestions are highly accurate.
NFR-4	**Performance**	The uploaded leaf images will be discarded after a specific time period, ensuring the applications performance is not compromised.
NFR-5	**Availability**	The application is available at all times for users with stable internet connection.
NFR-6	**Scalability**	Service availability depends on the plan subscribed by the farmers. Additionally, helpline support provided for resolving app related issues.