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

Date	03 October 2022
Team ID	PNT2022TMID52715
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 AppleID
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP in Mobile Number
FR-3	Image Capture	Capture the image of the plant leaf. Access to mobile phone's camera to click images.
FR-4	Image Processing	Captured Image is processed based upon the requirement for the model to do prediction.
Fr-5	Leaf identification and Disease Prediction	Identify the leaf and predict the disease in leaf.
Fr-6	Fertilizer Recommendation	Based on the type of disease suitable fertilizers are recommended.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Datasets of all the leaf is used to detecting the disease that present in the plant.
NFR-2	**Security**	Information about the users and their fertilizers, plants will be saved securely.
NFR-3	**Reliability**	The model deployed should be reliable and provide accurate disease predictions.
NFR-4	**Performance**	Performance of the application depends on the accuracy of the model as well as the prediction speed.
NFR-5	**Availability**	This application should be available anytime anywhere to all the registered users.
NFR-6	**Scalability**	Increase in number of users should not affect the performance of the system.