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

Date	10 November 2022
Team ID	PNT2022TMID19767
Project Name	Project - Fertilizer 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
FR-2	User Confirmation	Confirmation via Email
FR-3	User Details	Filling the profile page after logging in
FR-4	Uploading Data	Images of the leaves should be uploaded
FR-5	Image processing	Uploaded image of the leaves is compared to the pre-defined model and predict the disease of the leaves.
FR-6	Solution Description	Suggest the fertilizers for the diseases.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This application allows the user to perform the task easily and efficiently.
NFR-2	**Security**	The detail belong to the user will be protected against malware attacks or unauthorized access.
NFR-3	**Reliability**	The leaf quality is important for the predicting the disease in the leaf
NFR-4	**Performance**	The performance is based on the quality of the image of the leaf used for disease prediction.
NFR-5	**Availability**	It is available for all the users.
NFR-6	**Scalability**	It can be extended to lot of users.