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

Date	15 October 2022
Team ID	PNT2022TMID33395
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Access to application	User can access via their mobiles User can access via their Id number
FR-4	Image processing	Capturing the disease Scanning with their mobile Preprocessing the image
FR- 5	Disease Identification	After the preprocessing the disease is identified. The identified disease is compared with the original disease parameter.
FR-6	Fertilizer Prediction	The correct fertilizer is recommended . Advised to use the fertilizer on small area of land. Checks for the best fertilizer for best yield.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dataset helps in identification of the particular disease.
NFR-2	**Security**	The information of the user and the data contained in the application is more secure.
NFR-3	**Reliability**	It is more easy to use. And it is also more simple that user gets the disease identified at simpler steps and more flexible solution for that disease.
NFR-4	**Performance**	It depends on the disease dataset present in the application.
NFR-5	**Availability**	It is available for the all the registered user who are have access to use the application.
NFR-6	**Scalability**	Application can identify more disease as possible as contained in dataset.