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

Date	17 October 2022
Team ID	PNT2022TMID23111
Project Name	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 Mobile Number Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Capturing Image	Capture the pictures of the infected leaves and upload it for the recognition of the disease
FR-4	Image Processing	The user uploads the images and those images will be processed and prediction of disease will be done
FR-5	Disease prediction	Using the images and trained datasets, the model will identify the accurate crop disease
FR-6	Fertilizer Recommendation	Using the inputs and trained datasets, suitable fertilizers will be suggested 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**	Considering the level of knowledge possessed by the users of this system, it is developed as more user friendly and ease of use is the key feature.
NFR-2	**Security**	The subsystem should provide a high level of security and integrity of the data, only authorized personnel can gain access with valid password and username to view user's page
NFR-3	**Reliability**	The system provides a relatively high degree of consistency and executes its intended functions adequately without failure
NFR-4	**Performance**	On focussing its functionality, the system shows an efficient performance and never lets down its consistent state
NFR-5	**Availability**	The system will be available for all the time for all the users with its related features
NFR-6	**Scalability**	The system is even more efficient for large number of inputs and user scale.