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

Date	18 October 2022
Team ID	PNT2022TMID24449
Project Name	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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile	Filling the profile page after logging in
FR-4	Uploading Data (Leaf)	Image of the leaves is to be uploaded
FR-5	Requesting solution	Uploaded image is compared with the pre-defined model and solution is generated.
FR-6	Fertilizer Recommendation	Based on the type of disease identified, 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**	The system allows the user to perform the task easily, efficiently and effectively.
NFR-2	**Security**	Information about the user and their data's are highly secured with the authorization technology
NFR-3	**Reliability**	The model deployed should be reliable and able to give accurate disease prediction and recommendation.
NFR-4	**Performance**	Response time and total processing time is fast.
NFR-5	**Availability**	The application should be available anytime and anywhere to all the registered users.
NFR-6	**Scalability**	Increase in the number of user does not affect the performance of the system.