

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

Date	16 October 2022
Team ID	PNT2022TMID00681
Project Name	Fertilizers Recommendation System ForDisease 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	<b>Usability</b>	The system allows the user to perform the task easily, efficiently and effectively.
NFR-2	<b>Security</b>	Information about the user and their data's are highly secured with the authorization technology
NFR-3	<b>Reliability</b>	The model deployed should be reliable and able to give accurate disease prediction and recommendation.
NFR-4	<b>Performance</b>	Response time and total processing time is fast.
NFR-5	<b>Availability</b>	The application should be available anytime and anywhere to all the registered users.
NFR-6	<b>Scalability</b>	Increase in the number of user does not affect the performance of the system.