

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

Date	15 October 2022
Team ID	PNT2022TMID10907
Project Name	Project - Fertilizers Recommendation System For Disease Prediction
Maximum Marks	4 Marks

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 details storage	Storing user details via database
FR-4	Scanning crop images	Uploading images of disease via camera
FR-5	Predicting crop symptoms, fertilizers	Display the disease and its symptoms by analysing using dataset.
FR-6	Search results of diseases	Searching the symptoms, prevention steps.

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Scanning images and use the suggested fertilizers.
NFR-2	<b>Security</b>	Encrypt the user details and use a firewall to store user details securely.
NFR-3	<b>Reliability</b>	Predicting the disease and its symptoms. If symptoms don't match, display related diseases.
NFR-4	<b>Performance</b>	Displaying immediate search results.
NFR-5	<b>Availability</b>	Can be accessible easily at any time from database.
NFR-6	<b>Scalability</b>	Accurately predict disease even given many images.