

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

Date	13 November 2022
Team ID	PNT2022TMID42961
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Profile	Filling the profile page after logging in.
FR-4	Capturing image	Capture the image of the leaf and check the parameter of the captured image.
FR-5	Image processing	Upload the image for the prediction of the disease in the leaf.
FR-6	Leaf identification	Identifying the leaf and predicting the disease in leaf.
FR-7	Image description	Suggesting the best fertilizer for the disease.

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 tasks easily and efficiently and effectively.
NFR-2	Security	Assuring all data inside the system or its part will be protected against malware attacks or unauthorized access.
NFR-3	Reliability	The website does not recover from failure quickly, it takes time as the application is running in single server.
NFR-4	Performance	Response Time and Net Processing Time is Fast.
NFR-5	Availability	The system will be available up to 95% of the time.
NFR-6	Scalability	The website is scalable.