

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

Date	18 October 2022
Team ID	PNT2022TMID26773
Project Name	Fertilizer RecommendationSystem 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 Login	Login with user name Login with password
FR-4	Profile update	Update the user credentials Update the Contact details
FR-5	Uploading Images	Upload the image of the affected Crop
FR-6	Image processing	Upload image will be processed to predict the disease in leaf
FR-7	Recommendation	User will request the fertilizer Get the fertilizer recommendations as per the disease
FR-8	Ratings and Reviews	Share their Experiences Give the Feedback

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It can be used on both website and mobile browsers so that the usability of this application is very efficient.
NFR-2	Security	The information belongs to user and about leaf is highly secured.
NFR-3	Reliability	The leaf quality is necessary to predict the disease in the leaf.
NFR-4	Performance	The performance of application is very fast and efficient, based on the prediction of the disease.
NFR-5	Availability	It will predict any type of new disease by learning from the available data and predict the disease accurately.
NFR-6	Scalability	It can be accessed by a greater number of users at the same time without any performance issues.