

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID52565
Project Name	Project – Fertilizers Recommendation system for Disease Predictions
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	Capturing Image	Capture the image of the leaf And check the parameter of the captured image.
FR-4	Image processing	Upload the image for the prediction of the disease in the leaf.
FR-5	Leaf Identification	Identify the leaf and predict the disease in the leaf.
FR-6	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	Datasets of all the leaves are used to detect the disease that is present in the leaf.
NFR-2	Security	The information belongs to the user and leaves are secured highly.
NFR-3	Reliability	The leaf quality is important for predicting the disease in the leaf.
NFR-4	Performance	The performance is based on the quality of the leaf used for disease prediction
NFR-5	Availability	It is available for all users to predict the disease in the plant.
NFR-6	Scalability	Increasing the prediction of the disease in the leaf