

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

Date	18 October 2022
Team ID	PNT2022TMID42096
Project Name	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	Capturing image	Capture the image of the leaf and check the parameter of the capture image.
FR-2	Image processing	Upload the image for the prediction of the disease in the leaf.
FR-3	Leaf identification	Identify the leaf and predict the disease in the leaf.
FR-4	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 the leaves are secured highly.
NFR-3	Reliability	The leaves quality is very important for predicting the disease in leaves.
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 the users to predict the disease in the plants.
NFR-6	Scalability	Increasing the prediction of the disease in the leaves.