

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

Date	17 October 2022
Team ID	PNT2022TMID00322
Project Name	Fertilizer recommendation 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	Capturing image	Capture the image for 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 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	<b>Usability</b>	Datasets of all the leaf is used to detecting the disease that present in the leaf
NFR-2	<b>Security</b>	The information belongs to the user and leaf are secured highly.
NFR-3	<b>Reliability</b>	The leaf Quality is important for the predicting the disease prediction.
NFR-4	<b>Performance</b>	The performance is based on the quality of the leaf Used for disease in the plant
NFR-5	<b>Availability</b>	It is available for all user to predict the disease in plants.
NFR-6	<b>Scalability</b>	Increasing the prediction of disease in the plant.