

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

Date	15 October 2022
Team ID	PNT2022TMID34154
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	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 the leaf is 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 user to predict the disease in the plant
NFR-6	Scalability	Increasing the prediction of the disease in the leaf