

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	02 October 2022
Team ID	PNT2022TMID42619
Project Name	Fertilizer 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 web portal Registration through Gmail
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 and process the image using the trained data
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	Usability	Datasets of all the leaf is used to detecting the disease that present in the leaf.
NFR-2	Security	The information belongs to the user and leaf are secured highly.
NFR-3	Reliability	The leaf quality is important for the predicting the disease in 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.