

## Solution requirements

### (Functional & Non-Functional)

Date	19 October 2022
Team ID	PNT2022TMID33299
Project name	Fertilizer recommendation system for disease prediction
Maximum marks	4 marks

#### **Functional requirement :**

Following are the functional requirements of the proposed solution .

FR.No	Functional requirement	Sub requirement (story/subtask)
FR-1	User registration	Registration through form Registration through Gmail
FR-2	User confirmation	Confirmation via OTP Confirmation via Email
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 leaf.
FR-6	Image description	Suggesting the best fertilizer for the disease .

**Non-functional requirement:**

Following are the non-functional requirement of the proposed solution

NFR.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