

## Project Design Phase-II

### Functional Requirement (functional and non functional)

DATE	9 October 2022
TEAM ID	PNT2022TMID50687
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 from 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

<b>NFR. No</b>	<b>Non-Functional requirement</b>	<b>Description</b>
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