Project Design Phase – II

REQUIREMENT ANALYSIS

Date	18 October 2022
Team ID	PNT2022TMID33290
Project Name	Project - Fertilizers Recommendation System For Disease Prediction
Maximum Marks	2 Marks

Functional requirements

S.No	Functional requirements	Sub requirements (Story/subtask)
1	User registration	Registration through form Registration through Gmail
2	User confirmation	Confirmation via OTP Confirmation via Email
3	Capturing image	Capture the image of the leaf And check the parameter of the captured image
4	Image Pre - processing	Preprocessing the image to help with leaf disease prediction
5	Leaf identification	Identify the leaf and predict the disease in leaf.
6	Image description	Suggesting the best fertilizer for the disease.

Non-functional requirements

S No	Non-functional requirements	Description
1	Usability	Datasets of all the leaf is used to detecting the disease that present in the leaf
2	Security	The information belongs to the user and leaf are secured highly
3	Reliability	Helps framers and agriculture experts, they simply have to upload an image to get the fertilizer recommendation.
4	Performance	The performance is based on the quality of the leaf used for disease in the plant
5	Availability	It is available for all user to predict the disease in the plant