Project Design Phase – II

Solution requirements (functional and non-functional)

Date	21 November 2022
Team id	PNT2022TMID18295
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 preprocessing	Upload the image for the prediction of the disease in the leaf.
Fr-5	Leaf Disease Prediction	Identify the leaf and predict the disease in leaf.
Fr-6	Fertilizer Recommendation	Suggesting the best fertilizer for the disease.

Non-functional requirement:

Following is the non-functional requirement of the proposed solution

NFr.no	Non-functional requirement	Description
Nfr-1	Usability	This system provides easy access to all users.
Nfr-2	Security	This System is highly secured.
Nfr-3	Reliability	This System is accessible by the users 24/7.
Nfr-4	Performance	This System provides a User-friendly Interface.
Nfr-5	Availability	This System is available to all the farmers.
Nfr-6	Scalability	This System can provide accurate prediction of fertilizers.