Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID27345
Project Name	Fertilizers 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 Form Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User profile	Fill the profile page by user information after logging in and set a password.
FR-4	Uploading image	Upload the image of the leaf for which the disease is to be found.
FR-5	Image processing	Analysing the image and comparing it with the data base in order to find the disease.
FR-6	Solution	After finding the disease, Best fertilizer is recommended to the crops.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Beneficial in finding the plant diseases.
NFR-2	**Security**	It is protected with a user name and password and it is done by using certain protocols like IPsec, Application Transparent Transport Layer Security, etc. So it is highly secured.
NFR-3	**Reliability**	The application is well secured and protects the user search information by providing a user id & password.
NFR-4	**Performance**	It compares the image with the data that contains all the disease information and provides its best solution.
NFR-5	**Availability**	It can be accessed through any browser.
NFR-6	**Scalability**	The main advantage of the application is, it can be used any devices and increase the prediction of the disease in the leaf.