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

Date	09 October 2022
Team ID	PNT2022TMID19575
Project Name	Project – Fertilizer 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 Login	Login with user name Login with password
FR-4	Profile update	Update the user credentials Update the Contact details
FR-5	Uploading Images	Capture the image of the affected Crop Upload the image of the affected Crop This model will predict the disease of the affected Crop
FR-6	Recommendation	User will request the fertilizer Get the fertilizer recommendations
FR-7	Ratings and Reviews	Share their Experiences Give the Feedback

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	This service is designed and can be used on both website and mobile browsers so that the usability of this application is very efficient.
NFR-2	**Security**	This can be used only by users who have their proper login credentials
NFR-3	**Reliability**	In case of any issues such as the delay in the responses, it will be rectified to maintain its reliability.
NFR-4	**Performance**	Sometimes the wrong predictions occur due to the inaccuracy of the model at a rare point, in order to rectify this, this application will run the model more than one time to predict the exact result and recommends the fertilizer for that disease.
NFR-5	**Availability**	It will predict any type of new disease by learning from the available dataset and predict the disease accurately.
NFR-6	**Scalability**	It can be accessed by more number of users at the same time without any performance issues.