

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

Date	16 October 2022
Team ID	PNT2022TMID42715
Project Name	Project – 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 Profile build
FR-2	User Confirmation	Confirmation via text message (OTP)
FR-3	User Login	Login with user name Login with password
FR-4	Upload images	Capture the image of the affected Crop Upload the image of the affected Crop
FR-5	Disease Prediction	The disease forecasting model is trained with a large dataset and rolled out to predict disease by review of loaded images.
FR-6	Recommendation	Suggesting the right fertilizer for the anticipated disease Advising the alternative fertilizers for ease

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Website is designed to be sensitive and user friendly so it can be used on any device and from whomsoever
NFR-2	Security	User data is confidential and the user account is checked with the email ID provided at secure
NFR-3	Reliability	In the event of problems such as late replies, it will be corrected at stand on trust
NFR-4	Performance	The user has nothing to wait a long time from capturing and downloading until predicting and recommending.
NFR-5	Availability	The software may be used by anyone, regardless of the farmer's location or other network features.
NFR-6	Scalability	The system is designed so that it can withstand large numbers of users at any given moment.