

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

Date	03 October 2022
Team ID	PNT2022TMID10869
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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Problem	The issues can be known by clicking the picture of affected plants or crops and scanning the picture.
FR-4	Solution by Application	The application work is to predict the disease and suggest the suitable fertilizer.
FR-5	User Feedback	The user have the feedback option to send their pros and cons about the fertilizer after using it in plants or crops.
FR-6	Default Solution	The most common diseases affected by the plants or crops will be visible in home page with suitable solution.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Customers can solve their issues related to the app easily via Email.
NFR-2	Security	It is secured because each user will have specified account and only they can access it.
NFR-3	Reliability	The update process in the app and database does not affect the actual web page and user information.
NFR-4	Performance	The app will be loaded within 7 seconds that access the website using the Wi-Fi.
NFR-5	Availability	Can be available for any time. If any of the page experience the problems must display a notification with timer showing when the system is going to up again.
NFR-6	Scalability	It is scalable and provided by neural network, NLP, Watson assistant, Artificial Intelligence, Cloudant DB

