

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

Date	03 October 2022
Team ID	PNT2022TMID33888
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
FR-2	User Confirmation	Confirmation via Email
FR-3	User Profile	Filling the profile after logging in
FR-4	Uploading	The uploaded images of the leaves are compared with the model that is pre-defined and the solution is generated.
FR-5	Downloading the Solution	The solution is downloaded in the pdf format which contains the recommended fertilizers and the possible diseases of the diseased plant.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The user could perform tasks very easily, efficiently and effectively. They could use this application in a user friendly manner.
NFR-2	Security	All the data inside the system or the part will be protected against malware attacks or unauthorized access.
NFR-3	Reliability	The failure in the application cannot be recovered easily.
NFR-4	Performance	The processing time and the response is faster.
NFR-5	Availability	The system will be available all the time when the user needs to get the solution for their problem.
NFR-6	Scalability	The web application which is used in the detection of diseases is scalable.