

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

Date	03 October 2022
Team ID	PNT2022TMID21470
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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Profile	Filling the profile page after logging in
FR-4	Uploading Dataset (Soil)	Images of the soils are to be uploaded
FR-5	Requesting Solution	Uploaded images is compared with the pre-defined Model and solution is generated
FR-6	Downloading Solution	The Solution in Excel format which contains the recommendations of fertilizers and the possible diseases

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The Application allows users to perform the tasks safely, effectively, and efficiently
NFR-2	Security	Assuring all data inside the system or its part will be protected against malware attacks or unauthorized access.
NFR-3	Reliability	The Application does not recover from failure quickly, it takes time as the application is running in single server.
NFR-4	Performance	Response Time and Net Processing Time is Fast
NFR-5	Availability	The Application will be available up to 90% of the time.
NFR-6	Scalability	Application is not scalable