

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

Date	04 November 2022
Team ID	PNT2022TMID36687
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 Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Profile	Filling the profile page after logging in
FR-4	Uploading Dataset (Leaf)	Images of the leaves 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	<b>Usability</b>	The Application allows users to perform the tasks safely, effectively, and efficiently.
NFR-2	<b>Security</b>	Assuring all data inside the system or its part will be protected against malware attacks or unauthorized access.
NFR-3	<b>Reliability</b>	The Application does not recover from failure quickly, it takes time as the application is running in single server.
NFR-4	<b>Performance</b>	Response Time and Net Processing Time is Fast

NFR-5	<b>Availability</b>	The Application will be available up to 90% of the time.
NFR-6	<b>Scalability</b>	Application is not scalable