

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

Date	06 October 2022
Team ID	PNT2022TMID33034
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 form -registration through gmail -registration through otp
FR-2	User Confirmation	-The mail will appear after registration -The verification code will send through e-mail
FR-3	Login	-Login through valid user ID -Login through valid password
FR-4	Select the affected leaf	-This should be familiar to scan the image and analysis the disease
FR-5	Display the reasons	-In this system ,the disease is verified through this software to identify the disease -then the disease name displayed and recommend the suitable fertilizer with several choices
FR-6	history	-user can able to see their previous uploads in default saver(cloud)
FR-7	Logout	-After identification the disease and the precaution are given ,the customer will logout with satisfaction

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Software should be easily used by the customer
NFR-2	<b>Security</b>	The app can be opened,when the verification code is similar
NFR-3	<b>Reliability</b>	The quality of being trustworthy software to perform cocsistently well
NFR-4	<b>Performance</b>	Detect the plant leaf through the scanner and identify the disease and precaution are given
NFR-5	<b>Availability</b>	The software should be available at all time,the user can access using a web browser;when the server is down
NFR-6	<b>Scalability</b>	Scability can be performed at a software or database level,scability is used to detect all over performance through the software

