

# PROJECT DESIGN PHASE – II

## SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)

DATE	18 OCTOBER 2022
TEAM ID	PNT2022TMID45780
PROJECT TITLE	FERTILIZER RECOMMENDATION SYSTEM FOR DISEASE PREDICTION

### 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 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 pdf format which contains the recommendations of fertilizers and the possible diseases.

## **NON – FUNCTIONAL REQUIREMENTS:**

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

<b>FR No.</b>	<b>Non-Functional Requirement</b>	<b>Description</b>
<b>NFR-1</b>	<b>Usability</b>	<b>The system allows the user to perform the tasks easily and efficiently and effectively.</b>
<b>NFR-2</b>	<b>Security</b>	<b>Assuring all data inside the system or its part will be protected against malware attacks or unauthorized access.</b>
<b>NFR-3</b>	<b>Reliability</b>	<b>The website does not recover from failure quickly ,it takes time as the application is running in single server</b>
<b>NFR-4</b>	<b>Performance</b>	<b>Response Time and Net Processing Time is Fast</b>
<b>NFR-5</b>	<b>Availability</b>	<b>The system will be available up to 95% of the time</b>
<b>NFR-6</b>	<b>Scalability</b>	<b>The website is scalable</b>