PROJECT DESIGN PHASE-II
SOLUTION REQUIREMENTS (FUNCTIONAL & NON-FUNCTIONAL)

Date	19 October 2022
Team ID	PNT2022TMID24317
Project Name	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 Registration through Gmail
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP Confirmation via Call
FR-3	Capturing image	Capture the image of the leaf and check the parameter of the captured image.
FR-4	Image processing	Upload the photograph to help with leaf disease prediction.
FR-5	Leaf identification	Identify the leaf and predict the disease in leaf.
FR-6	Image description and Fertilizer Recommendation	Suggesting the best fertilizer for the disease.

NON-FUNCTIONAL REQUIREMENTS

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

FR NO.	NON-FUNCTIONAL REQUIREMENT	DESCRIPTION
NFR-1	**Usability**	Even illiterate can use.
NFR-2	**Security**	Allow access to Camera / Gallery / Drive to upload image .The information belongs to the user secured highly.
NFR-3	**Reliability**	The leaf quality is important for the predicting the disease in leaf.
NFR-4	**Performance**	User Interface is convenient to the User and Good in Performance
NFR-5	**Availability**	Platform Independent
NFR-6	**Scalability**	This Application can be improved by adding online purchase of the fertilizer, the user can switch to the language they are familiar with.