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

Date	13 October 2022
Team ID	PNT2022TMID23989
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
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 LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Capturing image	Capture the image of the leaf and check the parameter Of the captured image.
FR-4	Image processing	Upload the image for the prediction of the disease in the leaf.
FR-5	Leaf identification	Identify the leaf and predict the disease in leaf.
FR-6	Image description	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**	Datasets of all the leaf is used to detection the disease that present in the leaf.
NFR-2	**Security**	The information belongs to the user and leaf are secured highly.
NFR-3	**Reliability**	The leaf quality is important for the predicting the disease in leaf.
NFR-4	**Performance**	The performance is based on the quality of the leaf used for disease prediction.
NFR -5	**Availability**	It is available for all user to predict the disease in the plant.
NFR-6	**Scalability**	Increasing the prediction of the disease in the leaf.