Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	15 October 2022
Team ID	PNT2022TMID08799
Project Name	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	User Login	Give the login ID Give the password that is created during registration
FR-4	Dataset	The dataset that is being uploaded includes various fruit photos.
FR-5	Image Input	examining the user-provided image input
FR-6	Process	using different convolution layers to test the image
FR-7	Result	The specific fruit's nutrient content is shown.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The means by which the system will be usable by users who require special or unconventional accessibility requirements
NFR-2	**Security**	Describe the extent to which data must be safeguarded and kept private.
NFR-3	**Capacity**	ability to maintain functionality as circumstances

		change
		based on the input we provide.
NFR-4	**Performance**	Rapid response is accomplished.
NFR-5	**Availability**	The minimal amount of time allocated to online.
		The service should be accessible during these times.
NFR-6	**Scalability**	The program's capacity to deal with a rise in
		without performance reduction or the capacity to
		grow quickly.