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

Date	15 October 2022
Team ID	PNT2022TMID25719
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum 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 in website , Gmail, Linked IN.
FR-2	User Confirmation	Confirmation via Email, via OTP, Normal sms.
FR-3	User Login	Give the login ID, password that is created during registration.
FR-4	Dataset	Uploading the dataset consists of variety of fruit images
FR-5	Image Input	Analysing the image input provided by the user
FR-6	Process	Testing the image by various convolution layers
FR-7	Result	The nutrient content in the particular fruit is displayed

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The ways in which the system will accessible to users with particular or non standard accessibility requirements.It's All about healthy diets.
NFR-2	**Security**	Extend to which data needs to be protected and kept confidential. The information belongs to the user and food are secured. also had been the concern of many healthcare conventions.
NFR-3	**Reliability**	The food quality is very important for the predicting the nutritioin level in food.Ability to continue to function well as it changes in according to input that we give.

NFR-4	**Performance**	Fast response is achieved. The data to its users and becoming a leading plaltform to performance is based on the quality of the food for diet prediction.
NFR-5	**Availability**	The minimum proportion of time given in online service hours that the service should be available. It is available for all user to predict the nutrition in the food and maintain diet.
NFR-6	**Scalability**	To analyse the current AI in nutrients sciences. Increasing the number of prediction of the nutrition and diet in the food.