Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Team ID	PNT2022TMID33113
Project Name	**AI - powered Nutrition Analyzer for Fitness Enthusiasts**

Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Install and register through Gmail or google (Two step verification) and updating the profile.
FR-2	User Confirmation	Confirmation via mail
FR-3	User Uploads	Interacts with user interface and upload image which they want to analyze.
FR-4	User Accessibility	Ordering nutrition powders, chat with nutritionist, analyzing food, access different diet charts and fitness tips, can solve their queries with nutritionist and can know the importance of food item.
FR-5	User Benefits	Have a knowledge about nutrients in food, lead a healthy life, knowing daily exercises necessary to live a peaceful life.
FR-6	User Instructions	Follow the diet charts and completing the daily tasks

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	An user friendly web application, dynamic and attractive user interface, maintaining the records of users and easily satisfies the user needs.
NFR-2	**Security**	Users' information in the web application are protected by advanced security system. Implementation of proper logging. Keep your application up to date. Authentication.
NFR-3	**Reliability**	Fault less application. A piece of software operating without failure. The website's load time is not more than one second for users.
NFR-4	**Performance**	Fast and quick analyzation of food images, is done as a GPU used for the model is more fast in analyzing and uploading the user uploaded the image. Occupation of less storage space.
NFR-5	**Availability**	Available in the internet, in application diet charts, excersing tips, food analyzer through camera, online deliveries are available.
NFR-6	**Scalability**	It works in high-speed authentication of people's information, quick response for queries from nutritionist, highly reliable, on time delivery and provide appropriate information.