DESIGN PHASE-II PROJECT

Solution Requirements (Functional & Non-functional)

Date	23 October 2022
Team ID	PNT2022TMD52470
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the AI-Powered Nutrition Analyzer for Fitness Enthusiasts.

SI.NO	FUNCTIONAL REQUIREMENTS	SUB REQUIREMENTS
1	User Registration	Registration through website or application.
2	User Confirmation	Verify via mail, verify via OTP through SMS
3	User Login	Login through website or application using their username and password.
4	User Access	Allows the application requirements.
5	User Guide	Guide step up step to use the application.
6	User Upload	Upload their details for solve their problems.
7	User Solution	Report should be generated to the user.
8	User Data Sync	API interface to invoice system.

NON-FUNCTIONAL REQUIREMENTS:

Following are the Non-Functional requirements of the AI-Powered Nutrition Analyzer for Fitness Enthusiasts.

S.NO	NON-FUNCTIONAL REQUIRMENTS	DESCRIPTION
1	Usability	User can easily learn to use the application and they can send their details through the application. Usability can be accessed from different point of view.
2	Security	The software is protected from unauthorized access to the system and its stored details. Access permission for the particular system information may only be changed by the systems data administrator.
3	Reliability	The software works without any failure. The user can use the software without any fault. The database update must roll back all related updates when any update fails.
4	Performance	The quality attributes of the system describe the responsiveness to

		various user interaction with it. Good performance is maintained in this application.
5	Availability	The period of time that the system's functionality and services are available for the use with all operations. Pages availability must not take longer time, the rest of the pages that may experience problem must display a notification with a timer.
6	Scalability	The system must grow without any negative influence on its performance. This software is enough to support 200,000 user at a time.