

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

Date	03 October 2025
Team ID	LTVIP2025TMIDS67751
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	User Login	Login through Google Login through Email
FR-4	Choose package	Selection of desired package
FR-5	Generate the daily plan	Daily plans will be generated by dietician
FR-6	Manage progress report	Gathering information from database and generating report
FR-7	Query	The user can ask for changes in plan

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Easy to use with interactive User Interface
NFR-2	<b>Security</b>	User can access only their personal information and not that of other users.
NFR-3	<b>Reliability</b>	The average time of failure shall be 7 days.
NFR-4	<b>Performance</b>	The results has to be shown within 10 sec
NFR-5	<b>Availability</b>	The dietician shall be available to users 24 hours a day, 7 days a week.
NFR-6	<b>Scalability</b>	Supports various food items