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

Date	15 October 2022
Team ID	PNT2022TMID27210
Project Name	AI-POWERED NUTRITION ANALYSER FOR FITTNESS 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	User can login using their personal details and get the home screen of the application.
FR-4	Choose Package	The user can select the package by looking into the offers,features,duration of the package.,etc
FR-5	Generate The Daily Plan	Suitable diet and exercise plans will be generated to the user.
FR-6	Manage Progress Report	Gathering report from database and generating report.
FR-7	Query	The user can ask for changes in their plans.
FR-8	Payment	The payment is made for the selected package .
FR-9	Update the details	The details like height,weight,working hours,eating habits, medical history.,etc is updated in the database.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system interface will be easy to use with quality attributes.
NFR-2	**Security**	The user will be able to access only their personal information and not that of others.Medical condition and payment methods will be handled through a secured server to ensure protection of users credit card and personal information.
NFR-3	**Reliability**	The average time of failure shall be 7 days.If the app crashes then the backup will be given in 7 days.
NFR-4	**Performance**	The app will be properly programmed.The device,server,and network will be proper.The app will be in the way that the user themselves can perceive the performance of the app.
NFR-5	**Availability**	The AI-Powered Nutrition analyser app will be available to the users 24/7.If any bug appears then it will be handled within 12 hours.
NFR-6	**Portability**	User must have smartphones that supports later version.
NFR-7	**Maintainability**	Any update or detect fixex shall be made on server-side computers only without any patches required by the user.