

## **Project Design Phase-II**

### **Functional Requirement**

Date	03 November 2022
Team ID	PNT2022TMID43812
Project name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

1	Name	{Legal character}*
2	Email id	{Legal characters+Digit+special characters}*
3	Username	{Legal characters+Digit+special characters}*
4	Password	{Legal characters+Digit+special characters}*
5	Contact	{Digit+ Digit+ Digit+ Digit+ Digit+ Digit+ Digit+ Digit+ Digit+ Digit+ Digit}
6	Date Of Birth	{Digit+ Digit+ Digit}*
7	Gender	{Legal character}*
8	Height & Weight	{Digit+ Digit}*
9	Working Hours	{Digit+ Digit}*
10	Medical History	{Legal character}*
11	Eating Habits	{Legal character}*
12	Queries	{Legal character}*
13	Payment	{Digit+ Digit+ Digit+ Digit}
14	Offers	{Legal characters+Digit+special characters}*
15	Feedback	{Legal character}*

## Functional Requirements:

- **FR1- Register**

**Input data:** Name, address, phone number, email id, date of birth, gender, height, working hours, eating habits, medical history, username and password.

**Processing step:** The user who is new to the app must register.

**Output Data:** The user has registered in the app and has valid credentials.

- **FR2 – Login**

**Input data:** E-mail id or phone number and password.

**Processing step:** User can now login in the app.

**Output Data:** The user can use the application and get to home screen.

**FR3 –Choose package**

**Input data:** Name, offers, features, duration of the package.

**Processing step:** The user will select the desired package.

**Output Data:** Proceed to payment gateway.

- **FR4 – Generate the daily plan**

**Input data:** Day of the week.

**Processing step:** Suitable diet and exercise plan will be made for user.

**Output Data:** Diet and exercise plan will be provided to the user.

- **FR5 –Manage progress report**

**Input data:** Height, weight, working hours, eating habits, medical history

**Processing step:** Gathering information from database and generating report

**Output Data:** Progress report.

- **FR6 – Query**

**Input data:** User query.

**Processing step:** The user can ask for changes in plan.

**Output Data:** Updated plan (may or may not be available).

- **FR7 – Payment**

**Input data:** Credit card number, month, year, CVV, amount.

**Processing step:** The payment has to be made for the selected

package.**Output data:** Status of package and confirmation message.

- **FR8 – Update the details**

**Input data:** Height, weight, working hours, eating habits, medical history.

**Processing step:** The details will be updated in the database.

**Output data:** Updated details of the user

- **FR9 – Feedback**

**Input data:** Reviews/suggestions.

**Processing step:** Storing in the corresponding database.

**Output data:** Feedback submitted.

