

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

Date	27 October 2022
Team ID	PNT2022TMID05048
Project Name	NUTRITION ASSISTANT APPLICATION
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 Gmail Registration through Form Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Diet Plan	can customize based on user needs
FR-4	My Nutrition	Can add or update the existing food plan based on user needs
FR-5	Workout	walking, gym
FR-6	Nutrients Display	Display nutrients through IBM Cloud
FR-7	Consultation	User can get consultation with doctor whenever the user want

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Usage of Python as a programming language Flask as a Python framework Docker as a software platform IBM cloud as a cloud storage IBM DB2 as a database support
NFR-2	Security	Only authorized users can login to the app which provides high security for nutrition journey

NFR-3	Reliability	Reliable as it includes accurate BMI calculation and efficient nutrient display.
NFR-4	Performance	Provision of relevant scanning of food and best diet plan which makes the user follow a healthy diet.
NFR-5	Availability	Fitness at your hand makes easy availability with the nutrition ,workout,better lifestyle.
NFR-6	Scalability	The database base can be updated accordingly. The input details can be changed by the authorized user anytime.