

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

Date	01 November 2022
Team ID	PNT2022TMID43802
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

Functional Requirement :

Following are the functional requirement for the proposed solution

Fr.no	Functional Requirement	Sub Requirement(Story/subtask)
Fr-1	User Registration	Registration through Form Registration through Gmail
Fr-2	User Confirmation	Confirmation via OTP Confirmation via Gmail
Fr-3	Capturing Image	Capture the image of the food And check the parameter captured image
Fr-4	Image Processing	Upload the image for the prediction of the nutrition in the food
Fr-5	Food Identification	Identify the food and predict the nutrition in the food

Fr-6	Image Description	Suggesting the best food with enriched nutrition to Eat
------	-------------------	---

Non-Functional Requirement :

Following are the Non-Functional requirement for the proposed solution

Nfr.no	Non-Functional Requirement	Description
Nfr-1	Usability	Datasets of all the food items is used to detecting the nutrition that present in the food
Nfr-2	Security	The Information belongs to the user and Nutrition are secured highly
Nfr-3	Reliability	The Image Quality of food is important for predicting the Nutrition in the food
Nfr-4	Performance	The performance is based on the Image Quality of food used for nutrition prediction

Nfr-5	Availability	It is available for all user to predict the nutrition in the food
Nfr-6	Scalability	Increasing the prediction of the Nutrition in the food