Project Design
Phase-IProposed
Solution

Date	24 September 2022
Team ID	**PNT2022TMID23092**
Project Name	**Nutrition assistant Application**
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem tobe solved)	This project aims at building a web App that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. Our method employs Clarifai's AI-Driven Food Detection Model. **Modules Used:** • Registration (Push the registration data into the database) • Login (Fetch the data upon login) • Upload the food image and get the prediction • Get Calories from the food items • Add food data to the database

2.	Idea / Solution description	User interacts with the Web App to Load an image. The image is passed to the server application, which uses Clarifai's AI-Driven Food Detection Model Service to analyze the images and Nutrition API to provide nutritional information about the analyzed Image. Nutritional information of the analyzed image is returned to the app for display.
3.	Novelty / Uniqueness	User can know about the calories in the food and be aware of the health conditions. They can reduce the obesity level and be aware of nutrition available in the food.

4.	Social Impact / Customer Satisfaction	User can easily categories the healthy food and unhealthy foods by using this web app. Food related disease can be prevented. Nutrition apps can help make life easier for individuals who need to track their food intake for health reasons. Preventive nutrition services for this population, which include early identification and treatment, can help alleviate malnutrition, growth retardation, frequent infections, dehydration, and other medical consequences
5.	Business Model (Revenue Model)	This system is incorporated with Clarifai's AI-Driven Food Detection Model to accurately measure the nutrition available in the food and filter them based on the attributes in the food in it.
6.	Scalability of the Solution	Our project solution is platform independent. In future various machine learning algorithms canbe applied on the AI and UI interfaces of web app can be developed and modified.we use IBM cloud storage which is efficient in storing huge amount of data.