Project Design Phase-I
Proposed Solution Template

Date	16 October 2022
Team ID	PNT2022TMID35650
Project Name	Project - Nutrition Assistant Application
Maximum Marks	2 Marks

Proposed Solution:

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Obesity rates are increasing at an alarming rate due to a lack of knowledge about healthy eating habits, reflecting the risks to people's health. The most basic method for avoiding obesity is for people to control their daily calorie intake by eating healthier foods. Even though nutrition (and calorie) labels are included on food packaging, they are inconvenient for people to use.
2.	Idea / Solution description	The general solution steps are; 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 to recognize the ingredients and Nutrition API to provide nutritional information about them. Finally, the nutritional information of the analyzed image is returned to the app for display.
3.	Novelty / Uniqueness	A BMI calculator function is added to the application based of of which a daily calorie intake is suggested.
4.	Social Impact / Customer Satisfaction	This application can provide real-time meal nutritional value which can be very handy and help improve dietary habits, maintain obesity rate, and therefore, helps in maintaining a healthy lifestyle.
5.	Business Model (Revenue Model)	The advertisement of this application is best done using social media and minor sponsorships. This will help bring attention to many age groups.
6.	Scalability of the Solution	Since our system is a web application working on IBM tools, scalability is highly efficient and convenient.