

Project Design Phase-I
Proposed Solution

Date	1 October 2022
Team ID	PNT2022TMID53022
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 rising alarmingly quickly as a result of people's lack of knowledge about appropriate eating practises, which reflects the hazards to their health. It's still not very convenient for people to use app-based nutrient dashboard systems, even though food packaging includes nutrition (and calorie) labels.
2.	Idea / Solution description	The simplest way to prevent obesity is for people to limit their daily calorie consumption by eating healthier meals. Using a classification system, this project attempts to create a web application that automatically assesses food features like ingredients and nutritional value.
3.	Novelty / Uniqueness	This system can analyse real-time images of a meal and analyse it for nutritional content. It uses an AI-powered API to recognise different types of food and fetch calorie values from its database.
4.	Social Impact / Customer Satisfaction	This can be very handy and improve dietary habits and subsequently help with maintaining a healthy lifestyle.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • Ad-supported free tier • Optional premium plans for subscribers offering additional features
6.	Scalability of the Solution	<ul style="list-style-type: none"> • Performance - The system is highly scalable with no performance impact. • Ease of management - Updates can be rolled out on a regular basis easily as it is a web application.