

**Project Design Phase-I**  
**Proposed Solution**

Date	28 September 2022
Team ID	PNT2022TMID02187
Project Name	Project – Nutrition Assistant App
Maximum Marks	2 Marks

**Proposed Solution:**

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none"><li>• Due to the ignorance of healthy food habits, obesity rates are increasing at an alarming speed, and this is reflective of the risks to people's health.</li><li>• People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity.</li><li>• However, although food packaging comes with nutrition (and calorie) labels, it's still not very convenient for people to refer to App-based nutrient dashboard systems which can analyze real-time images of a meal and analyze it for nutritional content which can be very handy and improves the dietary habits, and therefore, helps in maintaining a healthy lifestyle</li></ul>
2.	Idea / Solution description	<ul style="list-style-type: none"><li>• 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</li><li>• Our method employs Clarifai's AI-Driven Food Detection Model for accurate food identification and Food API's to give the nutritional value of the identified food</li></ul>
3.	Novelty / Uniqueness	<ul style="list-style-type: none"><li>• Like smartwatches counting our steps and physical activities, this app counts the nutrition that one consumes in each meal</li><li>• This app can be very useful to those who are cautious about what they are eating in each meal</li></ul>
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none"><li>• The customers using this app can lead a healthier life</li><li>• Improving the self efficiency of an</li></ul>

		<p>individual</p> <ul style="list-style-type: none"> <li>• Increasing their desire to set and achieve health diet goals</li> <li>• One to one approach is much more simplified and the client can converse to his/her personal dietician at their own convenient setting</li> </ul>
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> <li>• Health care policy</li> <li>• Customised nutrition and consumption requirements</li> </ul>
6.	Scalability of the Solution	<ul style="list-style-type: none"> <li>• Easily accessible</li> <li>• Provides good customer relationship</li> </ul>