

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID45161
Project Name	Project – NUTRITION ASSISTANT APPLICATION
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	<ul style="list-style-type: none">• Now a days peoples are not eating healthy foods with respect to their health condition. If it continue, it will lead to obesity.• To avoid that the system will detect and recognize the food and evaluate the nutrient values for certain foods.• People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity.• However,some food packaging has an added nutrition and calorie values,but it's not very comfortable to refer.• In this system, we applied CNN algorithm to the task of food detection and recognition through parameter optimization.
2.	Idea / Solution description	By scanning real-time photos of a product and examining its nutritional composition, people can quickly measure their calorie and nutrient intake, which will help them maintain healthier eating habits. Healthy eating can help avoid disease. The users of this software will receive sufficient nourishment, support for keeping a healthy lifestyle, and suggested diet programmes.
3.	Novelty / Uniqueness	Clustering the peoples based on their BMI value. . A web app that can automatically estimate food attributes such as ingredients and nutrition value by classifying the input image.
4.	Social Impact / Customer Satisfaction	<ul style="list-style-type: none">• The application which brings the awareness about the obesity in between the peoples• The Obesity rate will get reduced and people will be able to lead a healthy

		life. It helps to achieve and maintain a healthy weight balancing in their routine life.
5.	Business Model (Revenue Model)	<ul style="list-style-type: none"> • In market, this application gives a benefit across the people health wise and economical wise • The greatest strategy to develop this application is through social media. The use of this application will boost public confidence. It is very user-friendly, incredibly convenient, and also has a subscription if a user reaches certain services.
6.	Scalability of the Solution	<ul style="list-style-type: none"> • The application which creates an impact among the healthy lifestyle. • People can access from anywhere at anytime to track the calories and nutrition value that will improve a healthy eating pattern. This App will improve the dietary habits and helps in maintaining a healthy weight and healthy lifestyle.