

Project Design Phase-I
Proposed Solution Template

Date	18 November 2022
Team ID	PNT2022TMID49839
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)	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. People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity. However, although food packaging comes with nutrition (and calorie) labels, it's still not very convenient for people to refer
2.	Idea / Solution description	The key research objectives are as follows: <ul style="list-style-type: none">• The proposed system would be able to determine the ingredients from the provided image.• The proposed system also consists of a nutrition API, which provides the amount of nutrition present in the food.
3.	Novelty / Uniqueness	The current system is capable of calculating nutrition, but the user must provide food item details manually. We are adding a system that is capable of detecting food items from an image, and this is a uniqueness we made here besides from project constrain.
4.	Social Impact / Customer Satisfaction	Nutrition is a critical part of health and development. Better nutrition is related to improved infant, child, and maternal health; stronger immune systems; safer pregnancy and childbirth; a lower risk of non-communicable diseases (such as diabetes and cardiovascular disease); and longevity.
5.	Business Model (Revenue Model)	It has multiple business models Some of it, <ul style="list-style-type: none">• An individual can use this application to take care of their diet.• Nutrition assistants help dieticians with providing proper nutrition at healthcare facilities.
6.	Scalability of the Solution	It provides access to a large number of users at a time with accurate information about nutrition. It can handle a large variety of food items.