

Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID24576
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2 Marks

Proposed Solution Template:

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

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Find a way to identify and calculate the nutrients present in food items through computer vision.
2.	Idea / Solution description	Leveraging the advantage of transfer learning, use YOLO as a model to identify food with the image and with the help of an API get the nutritional content of food like calories, protein, fat, etc.
3.	Novelty / Uniqueness	Use of cutting edge technologies like artificial intelligence and computer vision leveraging the transfer learning technique.
4.	Social Impact / Customer Satisfaction	Aids people to consume healthy food. Enriches the life of people and also improves the lifestyle of the general public.
5.	Business Model (Revenue Model)	Can be monetized by providing this as a feature to other fitness organizations as an API.
6.	Scalability of the Solution	Can be extended by providing more personalized fitness assessment and recommendation to people on their food habits.