Project Design Phase-I
Proposed Solution Template

Date	19 September 2022
Team ID	PNT2022TMID23229
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
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)	The main aim of the project is to building a model which is used for classifying the fruit depends on the different characteristics like colour, shape, texture etc. The user can capture the images of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.).
2.	Idea / Solution description	The user can capture the images of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.). The user can select the fruit according to his/her calorie requirement.
3.	Novelty / Uniqueness	The developed application would identify the fruit brought under the lens and then give the nutritional value of that particular fruit based on real time recognition rather than the user feeding data into the application. A weekly report is provided to monitor the progress of the user to check the analyzing view level.
4.	Social Impact / Customer Satisfaction	The nutritional information on food services could be part of a public health policy against the increasing rate of obesity. This application provides nutritional analysis of each of the recognized fruit or food item and the user can select his/her desired item. The application is characterized as an easy-to-use, comprehensive, and useful tool.

5.	Business Model (Revenue Model)	It is a networking sort of business model where the nutritional value of each and every food item is displayed to the user/ customer. Any fruit from any enterprise or region is viable to recognition by the soon-to-be developed or proposed application.
6.	Scalability of the Solution	The user can login into the app using any of his accounts and still have a save and secure health experience. The nutritional analysis of the fruits can be saved by the user and the application can be further developed to track the nutrition intake of the user each week. Further, the application can itself recommend food items based on past nutrition consumption by the user.