Project Design Phase-I
Proposed Solution Template

Date	25 September 2022
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2 Marks

Title :- AI-Powered Nutrition Analyzer For Fitness Enthusiasts

Team Size : 4

Team Leader : THIRISHAL S

Team Members:

1. YUVARAJ M
2. P THARUN
3. SANTHOSH S

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. Here 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	Food is essential for human life and has been the concern of many healthcare conventions. Nowadays new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. Nutritional analysis is the process of determining the nutritional content of food. It is a vital part of analytical chemistry that provides information about the chemical composition, processing, quality control and contamination of food.
3.	Novelty / Uniqueness	It provides a diet plans for a user based on various criteria to maintain user's physical as well as mental health.
4.	Social Impact / Customer Satisfaction	It has a major impact on the users who are health conscious and maintain the well being of their mental health

5.	Business Model (Revenue Model)	Along with the application installation revenue the offers and restaurants recommendations for food yields more revenue
6.	Scalability of the Solution	The model is very scalable as each and every feature is built around the model.