Project Design Phase-I

Proposed Solution

Team ID	PNT2022TMID16637
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

Proposed Solution:

S. No	Parameter	Description
1.	Problem Statement	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.
2.	Idea / Solution description	The User can capture the images of different fruits & vegetables, then the image will be sent to the trained model. The model analyses the image & detects the nutrition based on the fruits like (Sugar, Fibre, Protein, Calorie Intake,etc).
3.	Novelty / Uniqueness	The application has several unique features. The main features is that the user need not to have to visit or consult a Nutritionist or a Dietician to follow a fit & healthy diet. This application can analyse the entire nutritional content of fruits & vegetables.

4.	Social Impact / Customer Satisfaction	This project is very helpful to People. Everyone Maintaining their own diet, to manage the time.
5.	Business Model (Revenue Model)	By Social media is the best way to spread the word about our application and with the help of influencers we can attract normal people. Clustering and targeting the fitness people with the help of local gyms. Allowing third-party vendors (Nutritional Products) to sell their products through our app via advertisements is way to generate money. If the products sold through advertisements, then it is even better.
6.	Scalability of the Solution	By implementing this system, the people can efficiently and effectively to gain knowledge about the fitness. They want and they wish to use at anytime. This system can also be integrated with the future technologies.