

Project Design Phase-I

Proposed Solution

Date	19 October 2022
Team ID	PNT2022TMID41641
Project Name	AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS.
Maximum Marks	2 Marks

Proposed Solution :

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	Nutritional analysis is the process of determining the nutritional content of food. Consumption of fruits in day-to-day dietary plays an important role in the nutritional supplement intake of humans. Estimation of right nutrient intake through fruits consumption has become increasingly significant in order to maintain the proper health of well-being. The model should helps to analyses the image and detects the nutrition based on the fruits.
2.	Idea / Solution description	The user can capture images of different fruits and then the image will be sent to the trained model. The model analyses the image and detects the nutrition based on the fruits. In this project we use AI and image classification technology to identify the fruit correctly and accurately. It also calculates the amount of nutrition like sugar, fiber, protein, calories, etc.
3.	Novelty / Uniqueness	This model is user friendly. It is more accurate in identifying the fruits. It will display the nutritional values of the fruit. The model also displays the benefit of eating the fruit. This will help the fitness enthusiast to know the medicinal value of the fruit and motivate them to take the fruit.

4.	Social Impact / Customer Satisfaction	<p>People will get motivated while using this model. They can do weight management, strengthen their bones and muscles, manage chronic health condition & disabilities. The fitness enthusiast and other people can easily use this model. They can find the all the nutritional value at one place which attract more people to use this model. This will provide more accuracy in identifying the correct image. This will make the customer to use this model with full satisfaction. This helps the people to maintain healthy diet to live a healthy life.</p>
5.	Business Model (Revenue Model)	<p>Social media is the best way to spread the word about our application. And with the influencers we can attract the normal people. It helps in Clustering and targeting the fitness people with the help of local gyms. We can also provide this model with subscription basis so that the user can get additional information to keep their body fit and healthy.</p>
6.	Scalability of the Solution	<p>This model can be easily accessed by all the people. This will attract more people to use this model. It keeps the people motivated and engaged. By tracking the nutritional value, the people can have correct intake of fruits which helps them to live a healthy life.</p>