AI - Powered Nutrition Analyzer For Fitness Enthusiasts

Date	01-10-2022
Team ID	PNT2022TMID38600
Project Name	Project- AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2 Marks

🍎 GOAL

To create an AI-Powered Nutrition Analyzer for Fitness Enthusiasts to know the Nutrition content present in the food

🍎 INTRODUCTION

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 maintaining a healthy diet.

🍎 PROBLEM STATEMENT

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.The main aim of the project is to build a model which is used for classifying the fruit depending on the different characteristics like color, shape, texture etc. Here the user can capture the images of different fruits and then the image will be sent the trained mode

🍎 PROBLEM SOLUTION

Clear and proper identification of the given input data. Provide nutritional facts based on the obtained data. Fitness analysis and maintenance as per the user's body conditions

- ● ADDITIONAL BENEFITS
    Water level monitoring
    Sleep cycle monitoring
    Health Condition Monitoring

🍎 UNIQUENESS /NOVELTY

- ● An individualized food plan based on health condition and deficiency.
- ● Allowing for diet flexibility helps promote a healthy and effective eating pattern.
- ● Reminder about allergic food and daily water consumption

🍎 SOCIAL IMPACT

- Developing a health conscious Society by providing information about day to day consumption of food
- It improves quality human life

🍎 BUSINESS MODEL

- Additional features for premium users
- Advertise and offer nutritional supplements and fitness gear
- Promotion for fitness centers and hospitals.

🍎 SCALABILITY OF SOLUTION

- Improving accuracy by expanding the data collection using user input data
- Storage requirements of a specific food.
- User friendly UI for everyone to use and get benefit from it

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