Project Objectives

Date	22 October 2022
Project Id	PNT2022TMID48550
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

As the world grows more fitness-conscious with passing time, the demand for technological solutions to cater to this burgeoning demand is diversifying. Lately, a number of startups in India and worldwide are using predictive analytics artificial intelligence and natural language processing to help scores of fitness enthusiasts to track and monitor their nutrition and calorie intake Food is essential for human life and has been the concern of many healthcare conventions. Nowadays new dietary assessment and nutrition analysistools 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. The main aimof 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.