Project Objectives

*As the world grows more fitness*

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*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 nut*

*rition and calorie*

*intake.*

*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, q*

*uality control and contamination of food. 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*

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Date

October

2022

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Project Id

PNT2022TMID36947

Project Name

AI

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powered Nutrition

Analyzer for Fitness

Enthusiasts