Date	19 September 2022
Team ID	PNT2022TMID09749
Project Name	Project - **AI-powered Nutrition Analyzer for Fitness Enthusiasts**
Maximum Marks	2 Marks

AI-powered Nutrition Analyzer for Fitness Enthusiasts

PROBLEM STATEMENTS:

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.

Our Plan:

Artificial Intelligence Nutrition App. As the name implies, the app provides nutrition-based analytics and data to its customers and isquickly becoming a prominent platform for

offering AI fitness services. It deploys predictive analysis for personalized data compilation using mathematical and natural languageprocessing (NLP) models.

ABSTRACT:

- The main aim of the project is to build a model which is used for classifying the fruit depends on the different characteristics like color, shape, texture etc.

- Here the user can capture the images of different fruits and thenthe image will be sent the trained model.

- The model analyses the image and detect the nutrition based onthe fruits like (Sugar, Fiber, Protein, Calories, etc.).

- The app provides nutrition-based analytics and data to its customers and is quickly becoming a prominent platform for offering AI fitness services.