

**IDEATION PHASE**  
**LITERATURE SURVEY**

Date	19 September 2022
Team ID	PNT2022TMID41641
Project Name	AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

**LITERATURE SURVEY**

**TITLE** :CALCULATING NUTRITION FACTS WITH COMPUTER VISION

**AUTHOUR** :DURGESH SAMARIYA

**DESCRIPTION** :Indian cuisine consists of a variety of traditional cuisines native to the region. Given the diversity in soil, climate, culture, ethnic groups, and occupations, these cuisines vary substantially and use locally available spices, herbs, vegetables, and fruits. In this era, people are becoming more health-conscious than before. However, there is a lack of knowledge about different fitness and wellness aspects of food.

**TITLE** : AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

**AUTHOUR** : JAEGER S

**DESCRIPTION** : 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.

**TITLE** :DIET AND NUTTRITION MANAGEMENT USING AI

**AUTHOUR** :PIRMOHAMED M

**DESCRIPTION** : Food calorie and nutrition measurement system is very beneficial for dieticians and patients to measure and manage their daily food intake. We also know that it " s difficult to find an affordable nutritionist or a dietician across the street; therefore, we have proposed a system – diet and nutrition expert system The proposed system is a responsive android application which contains the knowledge and data regarding the fitness of a person and nutrition content values.