# Project Objectives

| Date | 29 October 2022 |
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| Team ID | PNT2022TMID41467 |
| Project Name | AI-powered nutrition analyzer for fitness enthusiasts |

## PROJECT: AI-POWERED NUTRITION ANALYZER FOR FITNESS ENTHUSIASTS

The main goal of this project is to build a model that will be used to classify fruits according to various characteristics such as color, shape and texture. Here the user can take pictures of different fruits and the pictures will be sent to the trained model. The model analyzes the image and detects nutrients like fruits (sugar, fiber, protein, calories, etc.).

By the end of this project, we will

- know fundamental concepts and techniques of Convolutional Neural Network.
- gain a broad understanding of image data.
- Know how to pre-process/clean the data using different data pre-processing techniques.
- know how to build a web application using the Flask framework.