

PROJECT OBJECTIVES

DATE	17 November 2022
PROJECT ID	PNT2022TMID10671
PROJECT NAME	AI-Powered Nutrition Analyzer for Fitness Enthusiasts

Project Objectives

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 you will:

- Know fundamentals 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 processing techniques.
- Know how to build a web application using the flask framework.