

# Project Flow

Assignment Date	16 November 2022
Team ID	PNT2022TMID14061
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts

- The user interacts with the UI (User Interface) and give the image as input.
- Then the input image is then pass to our flask application,
- And finally with the help of the model which we build we will classify the result and showcase it on the UI.

**To accomplish this, we have to complete all the activities and tasks listed below;**

## **Data Collection:**

- Collect the dataset or create the dataset

## **Data Preprocessing:**

- Import the Image Data Generator library
- Configure Image Data Generator class
- Apply Image Data Generator functionality to Trainset and Testset

## **Model Building:**

- Import the model building Libraries
- Initializing the model
- Adding Input Layer
- Adding Hidden Layer
- Adding Output Layer
- Configure the Learning Process
- Training and testing the model
- Save the Model

## **Application Building:**

- Create an HTML file
- Build Python Code