PROJECT FLOW

Team ID	PNT2022TMID16460
Project Name	AI-powered nutrition analyzer for fitness enthusiasts

1. The user interacts with the UI (User Interface) and give the image as input.
2. Then the input image is then pass to our flask application,
3. And finally with the help of the model which we build we will classify the result.
4. Showcase the result 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 Pre-processing.
  - Import the ImageDataGenerator library
  - Configure ImageDataGenerator class
  - ApplyImageDataGenerator 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