

# PROJECT FLOW

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TEAM ID	PNT2022TMID16369
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 open pass tour 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 data set 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 test set.

## **Model Building:**

- Import the model building libraries
- Initializing the model
- Adding input layer
- Adding hidden layer
- Adding output layer
- Configure the learning process
- Save the Model

## **Application Building:**

- Create an HTML file
- Build Python Code