Model Building

Importing The Model Building Libraries

Title	AI powered nutrition analyzer for
	fitness enthusiasts
College Name	AVS College of Technology
Team Id	PNT2022TMID42147

```
import numpy as np
import tensorflow
from tensorflow.keras.models import Sequential
from tensorflow.keras import layers
from tensorflow.keras.layers import Dense,Flatten
from tensorflow.keras.layers import Conv2D,MaxPooling2D,Dropout
from keras.preprocessing.image import ImageDataGenerator

Image Data Agumentation
```

In [2]: train_datagen = ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=True) test_datagen=ImageDataGenerator(rescale=1./255)

Loading our data and performing data agumentation

Found 2626 images belonging to 5 classes. Found 2626 images belonging to 5 classes.