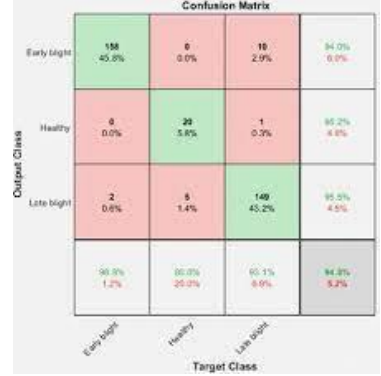


Project Development Phase Model Performance Test

Date	14 November 2022
Team ID	PNT2022TMID51066
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	<p>Classification Model: Confusion Matrix</p> <p>Accuray Score- 79%</p>	 <pre>[16] history = model.fit(train_images, train_labels, epochs=10, validation_data=(test_images, test_labels)) Epoch 1/10 1563/1563 [=====] - 83s 53ms/step - loss: 1.5055 - accuracy: 0.4557 - val_loss: 1.1985 - val_accuracy: 0.5770 Epoch 2/10 1563/1563 [=====] - 78s 50ms/step - loss: 1.1320 - accuracy: 0.6014 - val_loss: 1.0676 - val_accuracy: 0.6261 Epoch 3/10 1563/1563 [=====] - 76s 49ms/step - loss: 0.9748 - accuracy: 0.6556 - val_loss: 1.0061 - val_accuracy: 0.6506 Epoch 4/10 1563/1563 [=====] - 78s 50ms/step - loss: 0.8825 - accuracy: 0.6906 - val_loss: 0.9767 - val_accuracy: 0.6707 Epoch 5/10 1563/1563 [=====] - 76s 49ms/step - loss: 0.8059 - accuracy: 0.7192 - val_loss: 0.9129 - val_accuracy: 0.6876 Epoch 6/10 1563/1563 [=====] - 78s 50ms/step - loss: 0.7537 - accuracy: 0.7356 - val_loss: 0.8510 - val_accuracy: 0.7098 Epoch 7/10 1563/1563 [=====] - 78s 50ms/step - loss: 0.6993 - accuracy: 0.7567 - val_loss: 0.8377 - val_accuracy: 0.7190 Epoch 8/10 1563/1563 [=====] - 78s 50ms/step - loss: 0.6531 - accuracy: 0.7709 - val_loss: 0.8465 - val_accuracy: 0.7175 Epoch 9/10 1563/1563 [=====] - 76s 49ms/step - loss: 0.6104 - accuracy: 0.7849 - val_loss: 0.8269 - val_accuracy: 0.7258 Epoch 10/10 1563/1563 [=====] - 78s 50ms/step - loss: 0.5743 - accuracy: 0.7977 - val_loss: 0.8723 - val_accuracy: 0.7218</pre>


Classification Report

Nutrition Image Analysis

[Home](#)[Classify](#)

Upload image to classify

Choose...



Food Classified is:

BANANA

[{'sugar_g': 12.3, 'fiber_g': 2.6, 'serving_size_g': 100.0, 'sodium_mg': 1, 'name': 'banana', 'potassium_mg': 22, 'fat_saturated_g': 0.1, 'fat_total_g': 0.3, 'calories': 89.4, 'cholesterol_mg': 0, 'protein_g': 1.1, 'carbohydrates_total_g': 23.2}]

Actions

Go to

