

Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID23315
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in the model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Total params: 813,733 Trainable params: 813,733 Non-trainable params: 0	<pre> Model: "sequential_3" Layer (type) Output Shape Param # ----- conv2d_2 (Conv2D) (None, 62, 62, 32) 896 max_pooling2d_2 (MaxPooling (None, 31, 31, 32) 0 2D) conv2d_3 (Conv2D) (None, 29, 29, 32) 9248 max_pooling2d_3 (MaxPooling (None, 14, 14, 32) 0 2D) flatten_1 (Flatten) (None, 6272) 0 dense_2 (Dense) (None, 128) 802944 dense_3 (Dense) (None, 5) 645 ----- Total params: 813,733 Trainable params: 813,733 Non-trainable params: 0 </pre>
2.	Accuracy	Training Accuracy - 0.9863 Validation Accuracy - 0.9754	<pre> Epoch 4/5 10000/10000 [====] - 31s 386s/step - loss: 0.1386 - accuracy: 0.9538 - val_loss: 0.4002 - val_accuracy: 0.9614 Epoch 5/5 10000/10000 [====] - 31s 404s/step - loss: 0.0955 - accuracy: 0.9863 - val_loss: 0.4782 - val_accuracy: 0.9754 </pre>