

Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID44653
Project Name	AI-powered Nutrtn Analyzer and Fitness Enthusiasts

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	CNN Model - Classification of Fruits	
2.	Accuracy	Training Accuracy -0.9562 Validation Accuracy -0.9854	<pre>Epoch 1/10 42/42 [=====] - 17s 210ms/step - loss: 1.2723 - accuracy: 0.8982 - val_loss: 0.1846 - val_accuracy: 0.9161 Epoch 2/10 42/42 [=====] - 1s 217ms/step - loss: 0.2542 - accuracy: 0.9153 - val_loss: 0.0955 - val_accuracy: 0.9534 Epoch 3/10 42/42 [=====] - 1s 215ms/step - loss: 0.1812 - accuracy: 0.9328 - val_loss: 0.0682 - val_accuracy: 0.9674 Epoch 4/10 42/42 [=====] - 1s 211ms/step - loss: 0.1798 - accuracy: 0.9375 - val_loss: 0.0655 - val_accuracy: 0.9687 Epoch 5/10 42/42 [=====] - 1s 210ms/step - loss: 0.1397 - accuracy: 0.9516 - val_loss: 0.0525 - val_accuracy: 0.9814 Epoch 6/10 42/42 [=====] - 1s 212ms/step - loss: 0.1217 - accuracy: 0.9588 - val_loss: 0.1189 - val_accuracy: 0.9557 Epoch 7/10 42/42 [=====] - 1s 216ms/step - loss: 0.1199 - accuracy: 0.9579 - val_loss: 0.0682 - val_accuracy: 0.9708 Epoch 8/10 42/42 [=====] - 1s 214ms/step - loss: 0.1175 - accuracy: 0.9621 - val_loss: 0.0579 - val_accuracy: 0.9837 Epoch 9/10 42/42 [=====] - 1s 252ms/step - loss: 0.1057 - accuracy: 0.9684 - val_loss: 0.0541 - val_accuracy: 0.9977 Epoch 10/10 42/42 [=====] - 1s 212ms/step - loss: 0.1289 - accuracy: 0.9562 - val_loss: 0.0582 - val_accuracy: 0.9883 keras.callbacks.History at 867fe9d2c59b</pre>