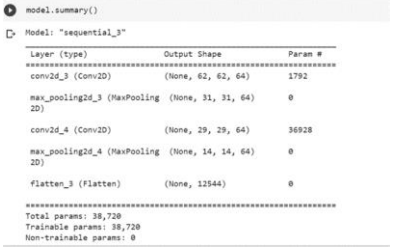
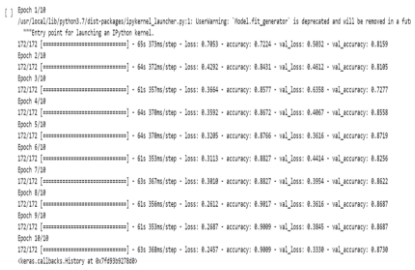


## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID07922
Project Name	Project –AI powered nutrition analysis
Maximum Marks	10 Marks

### Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Here we have built a model which is used for classifying the fruit depends on the different characteristics like colour, shape, texture etc. Here the user can capture the images of fruits-and then the image will be sent the trained model.	 <pre> model.summary() Model: "sequential_3" Layer (type)                Output Shape              Param # ----- conv2d_3 (Conv2D)           (None, 62, 62, 64)        1792 max_pooling2d_3 (MaxPooling (None, 31, 31, 64)        0 2D) conv2d_4 (Conv2D)           (None, 29, 29, 64)        96928 max_pooling2d_4 (MaxPooling (None, 14, 14, 64)        0 2D) flatten_3 (Flatten)         (None, 12544)              0 Total params: 38,720 Trainable params: 38,720 Non-trainable params: 0 </pre>
2.	Accuracy	<p>Training Accuracy – 90%</p> <p>Validation Accuracy -87%</p>	 <pre> [] Epoch 1/10 /usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:1: DeprecationWarning: `Model.fit_generator` is deprecated and will be removed in a future   """Entry point for launching an IPython kernel. 1/1/21 [.....] - loss: 0.7060 - accuracy: 0.7254 - val_loss: 0.3802 - val_accuracy: 0.8239 Epoch 2/10 1/1/21 [.....] - loss: 0.4262 - accuracy: 0.8452 - val_loss: 0.4812 - val_accuracy: 0.8285 Epoch 3/10 1/1/21 [.....] - loss: 0.3594 - accuracy: 0.8877 - val_loss: 0.4358 - val_accuracy: 0.7277 Epoch 4/10 1/1/21 [.....] - loss: 0.3594 - accuracy: 0.8882 - accuracy: 0.8872 - val_loss: 0.4887 - val_accuracy: 0.8338 Epoch 5/10 1/1/21 [.....] - loss: 0.3385 - accuracy: 0.8784 - val_loss: 0.3618 - val_accuracy: 0.8759 Epoch 6/10 1/1/21 [.....] - loss: 0.3323 - accuracy: 0.8827 - val_loss: 0.4614 - val_accuracy: 0.8256 Epoch 7/10 1/1/21 [.....] - loss: 0.3676 - accuracy: 0.8827 - val_loss: 0.3854 - val_accuracy: 0.8622 Epoch 8/10 1/1/21 [.....] - loss: 0.3566 - accuracy: 0.8827 - val_loss: 0.3624 - val_accuracy: 0.8887 Epoch 9/10 1/1/21 [.....] - loss: 0.3539 - accuracy: 0.8889 - val_loss: 0.3545 - val_accuracy: 0.8887 Epoch 10/10 1/1/21 [.....] - loss: 0.3487 - accuracy: 0.8889 - val_loss: 0.3338 - val_accuracy: 0.8738 Name: val2022s_history at 0x74939c70b0 </pre>