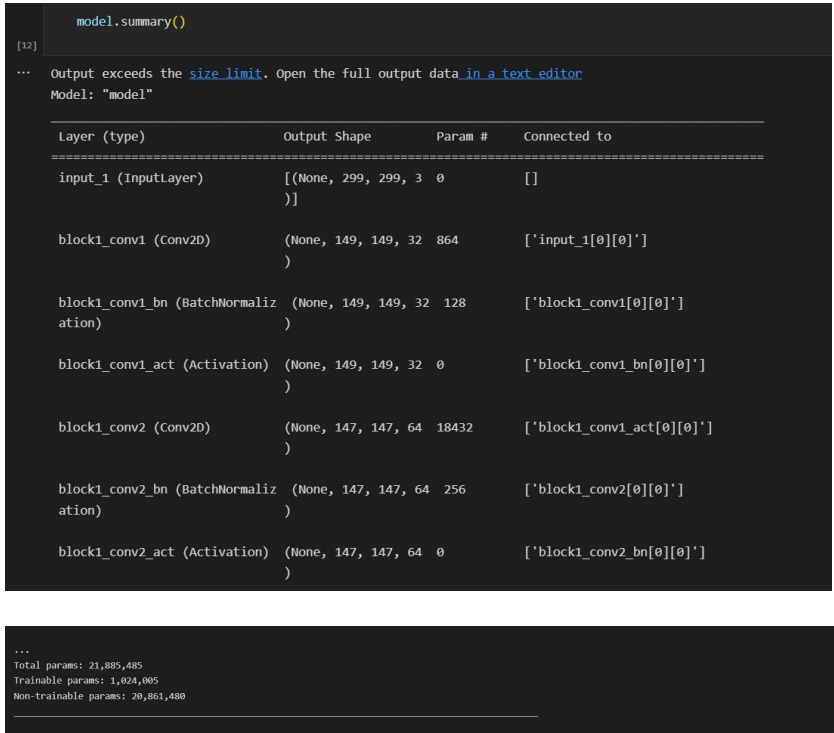


## Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID04323
Project Name	Project - Project - Deep Learning Fundus Image Analysis For Early Detection Of Diabetic Retinopathy
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	-	 <pre> model.summary()  ... Output exceeds the size limit. Open the full output data in a text editor Model: "model"  Layer (type)                 Output Shape              Param #   Connected to ===== input_1 (InputLayer)         [(None, 299, 299, 3      0                              )] block1_conv1 (Conv2D)        (None, 149, 149, 32      864                              ) block1_conv1_bn (BatchNormaliz (None, 149, 149, 32      128 ation)                        ) block1_conv1_act (Activation) (None, 149, 149, 32      0                              ) block1_conv2 (Conv2D)        (None, 147, 147, 64      18432                              ) block1_conv2_bn (BatchNormaliz (None, 147, 147, 64      256 ation)                        ) block1_conv2_act (Activation) (None, 147, 147, 64      0                              )  ... Total params: 21,885,485 Trainable params: 1,024,005 Non-trainable params: 20,861,480 </pre>

## 2 Accuracy

Output exceeds the [size limit](#). Open the full output data [in a text editor](#)

```
Epoch 1/30
3/3 [=====] - 24s 7s/step - loss: 9.8899 - accuracy: 0.4167
Epoch 2/30
3/3 [=====] - 15s 5s/step - loss: 7.3028 - accuracy: 0.4375
Epoch 3/30
3/3 [=====] - 16s 5s/step - loss: 5.9416 - accuracy: 0.6146
Epoch 4/30
3/3 [=====] - 16s 5s/step - loss: 5.5524 - accuracy: 0.7292
Epoch 5/30
3/3 [=====] - 18s 6s/step - loss: 5.2830 - accuracy: 0.5208
Epoch 6/30
3/3 [=====] - 16s 5s/step - loss: 3.2093 - accuracy: 0.6562
Epoch 7/30
3/3 [=====] - 17s 5s/step - loss: 4.3896 - accuracy: 0.7604
Epoch 8/30
3/3 [=====] - 16s 5s/step - loss: 4.8893 - accuracy: 0.5938
Epoch 9/30
```

```
trainingmodelinalupynb > r = model.fit_generator(
+ Code + Markdown | ▶ Run All | Clear Outputs of All Cells | Restart | Variables | Outline ...
3/3 [=====] - 16s 5s/step - loss: 4.8893 - accuracy: 0.5938
Epoch 9/30
3/3 [=====] - 16s 5s/step - loss: 5.9745 - accuracy: 0.6458
Epoch 10/30
3/3 [=====] - 16s 5s/step - loss: 3.4276 - accuracy: 0.7188
Epoch 11/30
3/3 [=====] - 16s 5s/step - loss: 6.2484 - accuracy: 0.6042
Epoch 12/30
3/3 [=====] - 17s 5s/step - loss: 5.9960 - accuracy: 0.6458
Epoch 13/30
...
Epoch 29/30
3/3 [=====] - 16s 5s/step - loss: 3.5017 - accuracy: 0.7396
Epoch 30/30
3/3 [=====] - 16s 5s/step - loss: 3.6696 - accuracy: 0.7188
```