Project Development Phase Model Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID48585	
Project Name	Emerging Methods for Early Detection of Forest Fires	
Maximum Marks	10 Marks	

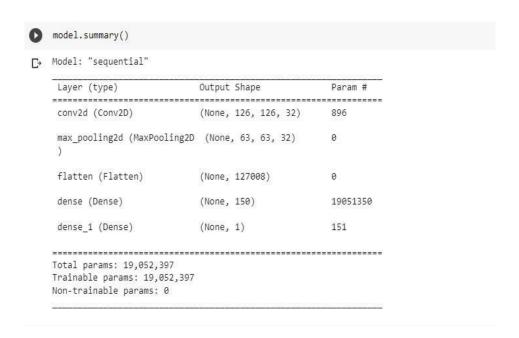
Model Performance Testing:

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

S.No.	Parameter	Values
1.	Model Summary	Total params: 19,052,397 Trainable params: 19,052,397 Non-trainable params: 0
2.	Accuracy	Training Accuracy – 92.43 Validation Accuracy – 97.52

Screenshot:

Model Summary:



Accuracy:

```
[ ] #Training the model model.fit_generator(x_train,steps_per_epoch=14,epochs=10,validation_data=x_test,validation_steps=4)
```

```
Epoch 1/10
14/14 [============] - 26s 2s/step - loss: 4.5654 - accuracy: 0.5596 - val loss: 0.1747 - val accuracy: 0.9256
Epoch 2/10
14/14 [====
          Epoch 3/10
14/14 [=========] - 26s 2s/step - loss: 0.2108 - accuracy: 0.9083 - val_loss: 0.1145 - val_accuracy: 0.9669
Epoch 4/10
14/14 [==========] - 25s 2s/step - loss: 0.1988 - accuracy: 0.9106 - val_loss: 0.1140 - val_accuracy: 0.9669
Epoch 5/10
Epoch 6/10
14/14 [====
             ========] - 24s 2s/step - loss: 0.1780 - accuracy: 0.9266 - val_loss: 0.0839 - val_accuracy: 0.9752
Epoch 7/10
        14/14 [=====
Epoch 8/10
             =======] - 25s 2s/step - loss: 0.1696 - accuracy: 0.9151 - val_loss: 0.0679 - val_accuracy: 0.9752
14/14 [====
Epoch 9/10
         ==========] - 24s 2s/step - loss: 0.1766 - accuracy: 0.9335 - val_loss: 0.1377 - val_accuracy: 0.9504
14/14 [=====
Epoch 10/10
14/14 [===========] - 26s 2s/step - loss: 0.1675 - accuracy: 0.9243 - val_loss: 0.0939 - val_accuracy: 0.9752
<keras.callbacks.History at 0x7f111d754c90>
```