## Project Development Phase Model Performance Test

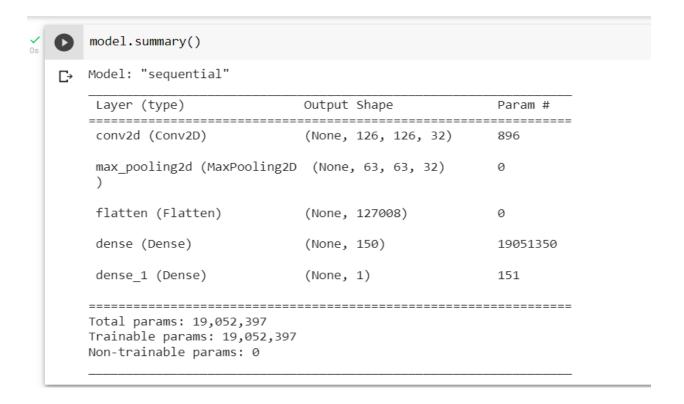
Date	24 November 2022	
Team ID	PNT2022TMID46933	
Project Name	Emerging methods for early detection of forest	
	fires	
Maximum Marks	10 Marks	

## **Model Performance Testing:**

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

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Total params: 19,052,397 Trainable params: 19,052,397 Non-Trainable params: 0	model.summary()
2.	Accuracy	Training Accuracy – 12.68  Validation Accuracy -13.07	

## **Model Summary**



## **Accuracy**

```
#Training the model
   \verb|model.fit_generator(x_train, steps_per_epoch=14, epochs=10, validation_data=x_test, validation_steps=4)|
Epoch 1/10
   14/14 [========] - 146s 10s/step - loss: 2.5047 - accuracy: 0.6651 - val loss: 0.1616 - val accuracy: 0.9237
   Epoch 2/10
   14/14 [====
              Epoch 3/10
   14/14 [====
                      =========] - 24s 2s/step - loss: 0.2516 - accuracy: 0.8922 - val_loss: 0.1019 - val_accuracy: 0.9746
   Epoch 4/10
   14/14 [====
                  ==========] - 24s 2s/step - loss: 0.2102 - accuracy: 0.9014 - val_loss: 0.1432 - val_accuracy: 0.9576
   Epoch 5/10
                      ========] - 24s 2s/step - loss: 0.2267 - accuracy: 0.9083 - val_loss: 0.0876 - val_accuracy: 0.9746
   14/14 [====
   Epoch 6/10
   14/14 [====
                     ========] - 24s 2s/step - loss: 0.2030 - accuracy: 0.9174 - val_loss: 0.0914 - val_accuracy: 0.9576
   Epoch 7/10
                      :========] - 24s 2s/step - loss: 0.2092 - accuracy: 0.9083 - val_loss: 0.1128 - val_accuracy: 0.9322
   14/14 [====
   Epoch 8/10
   14/14 [====
                     ========] - 25s 2s/step - loss: 0.1865 - accuracy: 0.9266 - val_loss: 0.0819 - val_accuracy: 0.9661
   Epoch 9/10
   14/14 [=====
                  Epoch 10/10
                   :========] - 24s 2s/step - loss: 0.1833 - accuracy: 0.9312 - val_loss: 0.0630 - val_accuracy: 0.9915
   <keras.callbacks.History at 0x7f1fef024e10>
```