Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID52907
Project Name	Emerging Methods for Early Forest Fire
	Detection
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: 896	To [37]: model.numery() Todel: "septential" Layer (Open) Output Daspe Param # second (Gonza) (bone, 128, 128, 23) 888 ### ### ##########################
2.	Accuracy	Training Accuracy – 93.8% Validation Accuracy -92.8%	

Model Summary:

Model: "sequential"	Model: "sequential"					
Layer (type)	Output	A STATE OF THE STA	Param #			
conv2d (Conv2D)	(None,	126, 126, 32)	896			
max_pooling2d (MaxPooling2D)	(None,	63, 63, 32)	0			
flatten (Flatten)		127008)	0			
Total params: 896						
Trainable params: 896						
Non-trainable params: 0						

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
   Epoch 2/10
Epoch 3/10
14/14 [=====
Epoch 4/10
   T4/14 [=============] - 27s 2s/step - loss: 0.3384 - accuracy: 0.8876 - val_loss: 0.0606 - val_accuracy: 0.9835 Epoch 5/10
14/14 [=====
   Epoch 6/10
Epoch 8/10
Epoch 9/10
   Epoch 10/10
14/14 [===========] - 29s 2s/step - loss: 0.1646 - accuracy: 0.9358 - val_loss: 0.0760 - val_accuracy: 0.9504
```