Project Development Phase
Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID21552
Project Name	EMERGING METHODS FOR EARLY DETECTION OF FOREST FIRES
Maximum Marks	10 Marks

Model Performance Testing:

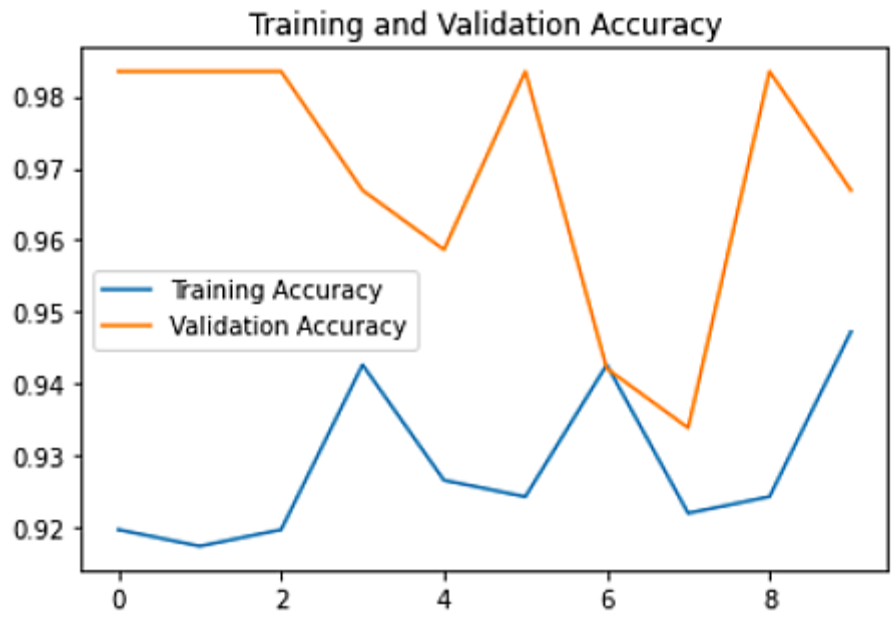
Project team shall fill the following information in model performance testing template.

S.no	Parameters	Values	Screenshot
1	Model Summary		`1 model.summary()` Model: "sequential" _____ Layer (type) Output Shape Param # ===== conv2d (Conv2D) (None, 126, 126, 32) 896 max_pooling2d (MaxPooling2D) (None, 63, 63, 32) 0 flatten (Flatten) (None, 127008) 0 dense (Dense) (None, 150) 19051350 dense_1 (Dense) (None, 1) 151 ===== Total params: 19,052,397 Trainable params: 19,052,397 Non-trainable params: 0 _____

2	Accuracy	Training Accuracy - 0.9344
		
		Validation Accuracy - 0.9801
			`[29] 1 print(np.average(y.history['accuracy']))`
			0.9344036757946015
			`1 print(y.history['accuracy'])`
			[0.9128440618515015, 0.9288991093635559, 0.9449541568756104, 0.9426

```
1 print(np.average(y.history['val_accuracy']))
```

```
0.980165296792984
```

```
[24]  1 print(y.history['val_accuracy'])
```

```
[0.9504132270812988, 0.9834710955619812, 0.99173551
```