Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID17906
Project Name	Natural Disaster Intensity Analysis and Classification using Artificial Intelligence
Maximum Marks	4 Marks

Model Summary:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	```classifier.summary()#summary of our model

Model: "sequential_1"
_____
Layer (type)   Output Shape   Param #
===
conv2d_1 (Conv2D)   (None, 62, 62, 32)   896

max_pooling2d (MaxPooling2D (None, 31, 31, 32)   0
)

conv2d_2 (Conv2D)   (None, 29, 29, 32)   9248

conv2d_3 (Conv2D)   (None, 27, 27, 32)   9248

max_pooling2d_1 (MaxPooling (None, 13, 13, 32)   0
2D)

conv2d_4 (Conv2D)   (None, 11, 11, 32)   9248

flatten (Flatten)   (None, 3872)   0

dense (Dense)   (None, 128)   495744

dense_1 (Dense)   (None, 4)   516

===
Total params: 524,900
Trainable params: 524,900
Non-trainable params: 0
_____``` |
| 2. | Accuracy | Training Accuracy – 90%

Validation Accuracy - 87% | ```accuracy_score(actual, predicted)

0.9050203527815468

accuracy_score(actual, predicted)

0.8765264586160109``` |