Project Development PhaseModel Performance Test

Date	10 November 2022	
Team ID	PNT2022TMID29513	
Project Name	Natural Disaster Intensity Analysis and	
	Classification using Artificial	
	Intelligence	
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: 813,604	Model: "sequential"		
	,		Layer (type)	Output Shape	Param #
		Trainable params: 813,604	conv2d (Conv2D)	(None, 62, 62, 32)	896
		Non-trainable params: 0	max_pooling2d (MaxPooling2) (None, 31, 31, 32)	0
			conv2d_1 (Conv2D)	(None, 29, 29, 32)	9248
			max_pooling2d_1 (MaxPooling	ç2 (None, 14, 14, 32)	9
			flatten (Flatten)	(None, 6272)	9
			dense (Dense)	(None, 128)	882944
			dense_1 (Dense)	(None, 4)	516
2.	Accuracy	Training Accuracy – 94.3% Validation Accuracy -83.33%	Transcript Tra		100 1 100 100 100 100 100 100 100 100 1

Model Summary:

Model: "sequential"		
Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 62, 62, 32)	896
max_pooling2d (MaxPooling2D)	(None, 31, 31, 32)	0
conv2d_1 (Conv2D)	(None, 29, 29, 32)	9248
max_pooling2d_1 (MaxPooling2	(None, 14, 14, 32)	0
flatten (Flatten)	(None, 6272)	0
dense (Dense)	(None, 128)	802944
dense_1 (Dense)	(None, 4)	516

Accuracy:

```
Please use Model.fit, which supports generators.
Epoch 1/20
Epoch 3/20
     149/149 [====
Epoch 4/20
     =========] - 21s 141ms/step - loss: 0.5757 - accuracy: 0.7736 - val_loss: 0.9805 - val_accuracy: 0.6263
149/149 [======
Epoch 5/20
Epoch 7/20
149/149 [======
    Epoch 8/20
    149/149 [===
Epoch 9/20
Epoch 10/20
Epoch 11/20
149/149 [=======] - 21s 142ms/step - loss: 0.4345 - accuracy: 0.8410 - val loss: 0.6938 - val accuracy: 0.7879
Epoch 19/20
149/149 [===
```