Project Development Phase Model Performance Test

Team ID	PNT2022TMID06270
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	
			Hotel: Tenning (a)	
1.	Model Summary	Total params: 813,604 Trainable params: 813,604 Non-trainable params: 0	Layer (type) Output Shape Param # com2d (Com2D) (Mone, 62, 62, 32) 856 max_pooling2d (MasFooling2D) (Mone, 31, 31, 32) 0 com2d_1 (Com2D) (Mone, 32, 31, 32) 9248 max_pooling2d_1 (MasFooling2 (Mone, 14, 14, 32) 0 flatten (Flatten) (Mone, 6272) 0 dense (Dense) (Mone, 128) 882944	
2.	Accuracy	Training Accuracy – 94.3% Validation Accuracy -83.33%		

Model Summary:

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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:

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Please use Model.fit, which supports generators.
Epoch 1/20
Epoch 2/20
Epoch 3/20
Epoch 4/20
Epoch 5/20
Epoch 6/20
      ===============] - 26s 175ms/step - loss: 0.5214 - accuracy: 0.8032 - val_loss: 0.5987 - val_accuracy: 0.8081
Epoch 7/20
       ==========] - 21s 140ms/step - loss: 0.4666 - accuracy: 0.8450 - val_loss: 0.5968 - val_accuracy: 0.8283
149/149 [====
Epoch 8/20
149/149 [===
       =========] - 21s 140ms/step - loss: 0.4618 - accuracy: 0.8235 - val_loss: 0.9052 - val_accuracy: 0.7323
Epoch 9/20
       149/149 [==:
Epoch 10/20
149/149 [===
      Epoch 11/20
       149/149 [===
Epoch 19/20
149/149 [===
    Epoch 20/20
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