Project Development Phase Model Performance Test

Date	9/11/2023
Team ID	Team-592462
Project Name	Fake/Real Logo Detection using Deep learning
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	-	[22]	ygg19.summary()			Python
				Model: "model_1"			Tydion
				Layer (type)	Output Shape	Param #	
				input_2 (InputLayer)	[(None, 224, 224, 3)]	θ	
				block1_conv1 (Conv2D)	(None, 224, 224, 64)	1792	
				block1_conv2 (Conv2D)	(None, 224, 224, 64)	36928	
				block1_pool (MaxPooling2D)	(None, 112, 112, 64)		
				block2_conv1 (Conv2D)	(None, 112, 112, 128)	73856	
				block2_conv2 (Conv2D)	(None, 112, 112, 128)	147584	
				block2_pool (MaxPooling2D)	(None, 56, 56, 128)		
				block3_conv1 (Conv2D)	(None, 56, 56, 256)	295168	
				block3_conv2 (Conv2D)	(None, 56, 56, 256)	590080	
				block3_conv3 (Conv2D)	(None, 56, 56, 256)	590080	
				block3_conv4 (Conv2D)	(None, 56, 56, 256)	590080	
				block3_pool (MaxPooling2D)	(None, 28, 28, 256)		
				block4_conv1 (Conv2D)	(None, 28, 28, 512)	1180160	
				block4_conv2 (Conv2D)	(None, 28, 28, 512)	2359808	
				block4_conv3 (Conv2D)	(None, 28, 28, 512)	2359808	
				block4_conv4 (Conv2D)	(None, 28, 28, 512)	2359808	
				block4_pool (MaxPooling2D)	(None, 14, 14, 512)		
				block5_conv1 (Conv2D)	(None, 14, 14, 512)	2359808	
				block5_conv2 (Conv2D)	(None, 14, 14, 512)	2359808	
				block5_conv3 (Conv2D)	(None, 14, 14, 512)	2359808	•
				block5_conv4 (Conv2D)	(None, 14, 14, 512)	2359808	
				block5_pool (MaxPooling2D)	(None, 7, 7, 512)		
				flatten_1 (Flatten)	(None, 25088)		
				dense_1 (Dense)	(None, 63)	1580607	
				Total params: 21604991 (82.4 Trainable params: 1580607 (6 Non-trainable params: 200243	5.03 MB)		

	·	T	
2.	Accuracy	Training Accuracy:	vgg19.fit(train, validation data=test,epochs=20,steps per epoch=len(train),validation steps =len(test))
	,	0.9673 (96.73%)	yggis.it(train,vaituation_uata=test,epochs=zo,steps_per_epoch=len(train),vaituation_steps =len(test)) [25]
		0.9673 (96.73%)	··· Epoch 1/20
			35/35 [
		Validation Accuracy:	Epoch 2/20 35/35 [====================================
		· ·	29732 Epoch 3/28
		0.9855 (98.55%)	35/35 [=============] - 9s 270ms/step - loss: 0.4733 - accuracy: 0.8782 - val_loss: 0.1443 - val_accuracy: 0.9564 Epoch 4/20
			ероп 4/20 35/35 [====================================
			Epoch 5/20 35/35 [====================================
			33/33 [=================================
			35/35 [
			Epoch 7/20 35/35 [====================================
			Epoch 8/20
			35/35 [====================================
			35/35 [====================================
			Epoch 10/20 35/35 [====================================
			Epoch 11/20
			35/35 [====================================
			35/35 [
			Epoch 13/20 35/35 [====================================
			Epoch 14/20
			35/35 [====================================
			35/35 [====================================
			Epoch 16/20 35/35 [====================================
			Epoch 17/20
			35/35 [=============] - 9s 262ms/step - loss: θ.2111 - accuracy: θ.9327 - val_loss: θ.θ122 - val_accuracy: 1.θθθθ Epoch 18/2θ
			35/35 [====================================
			Epoch 19/20 35/35 [====================================
			Epoch 20/20
			35/35 [==========] - 9s 248ms/step - loss: θ.1283 - accuracy: θ.9673 - val_loss: θ.θ388 - val_accuracy: θ.9855
			··· <keras.src.callbacks.history 0x79df912f1b70="" at=""></keras.src.callbacks.history>
3.	Confidence	Class Detected -	
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	Score		
	(Only Yolo	Confidence Score -	
	` ' .		
	Projects)		