Project Development Phase Model Performance Test

Date	20 NOvember 2022
Team ID	PNT2022TMID15152
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	10 Marks

Model Performance Testing:

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

S.N	Parameter	Values	Screenshot						
0.									
1.	Classification I		Confusion Matrix: Confusion Matrix In [10]: from sklearn.metrics import classification_report In [11]: path = "Quatest/test/"						
		Classification Model:							
		Confusion Matrix –							
		, Accuray Score-	test_images_path = [] labels = [] for directory_imples_table						
	& Classification	<pre>In [10]: predicted_list = [] for imp_path in test_images_path: imp = image_lood_img(imp_path,grayscale=Trme,target_size=(64,64))</pre>							
		Report -	<pre>x = pp.expaed_diss(x.usine0) pred = pp.argnam(nodel.predct(x),axisne1) predicted_list.append(pred)</pre>						
		, toporo	In [17]: matrix = tf.math.com/usion.matrix(labels.predicted_list) print("The Confusion Matrix") campd.bataframe(matrix,indexet'gesture-0', 'gesture-2', 'gesture-2', 'gesture-3', 'gesture-4', 'gesture-5'], print(ca)						
		The Confusion Matrix gesture-0 gesture-1 gesture-2 gesture-3 gesture-4 gesture-5 gesture-0 0 0 0 0 0 0 gesture-1 0 5 0 0 0 0 0 gesture-1 0 5 0 0 0 0 0 gesture-2 0 0 0 0 0 0 gesture-3 0 0 0 0 5 0 0 gesture-4 0 0 0 2 3 0 gesture-4 0 0 0 0 5 0 0							
		Accuracy Score:							
		Accuracy Score							
		In [59]: from sklearn.metrics import accuracy_score							
		<pre>In [60]: accuracy = accuracy_score(labels,predicted_list) print("Accuracy is ",accuracy)</pre>							
			Accuracy is 0.9						
			Classification Report-						

	Class	Classification Report In [66]: print(classification_report(labels, predicted_list))					
	In [66]: prin						
			precision	recall	f1-score	support	
	a weig	0 1 2 3 4 5 accuracy macro avg	1.00 0.83 1.00 0.71 1.00 1.00	1.00 1.00 0.30 1.00 0.60 1.00	1.00 0.91 0.89 0.83 0.75 1.00 0.90 0.90 0.90	5 5 5 5 5 5 5 30 30 30	
	2						



