Project Development Phase Model Performance Test

Date	19 November 2022	
Team ID	PNT2022TMID30205	
Project Name	Project – Real-Time Communication System	
	Powered by AI for Specially Abled	
Maximum Marks	10 Marks	

Model Performance Testing:

S.No	Parameter	Values	Screenshot			
1.	Model Summary	Total params:416, 410 Trainable params:416, 410 Non- Trainable params:0	Jupyter SignLanguage Last Checkpower Last Sunday at 09.28 (autosurver)	Trusted Python 3 (pykeen		
2.	Accuracy	Training Accuracy – 100.0%	Jupyter SignLanguage Last Checkpoint Last Sunday at 00-28 (autosaved) File Edit Vew Insent Cell Kunnel Widgits Help In [64]: imps, labels = next(test_batches) In [65]: scores = model.evaluate(imps, labels, verbose:0) print(f*{model.metrics_names(0)} of {scores(0)}; {model.metrics_names[1]} of {scores[1]*100}%*) Loss of 0.000432933756300991; accuracy of 100.0% In [66]: model.save('best_model_dataflair3.h5')	Logout Python 3 ((pykerne) O		

Validation Accuracy – 1.0	In [8]: model.compile(optimizer=SGD(learning_rate=0.001), loss='categorical_crossentropy', metrics=1'accuracy']) reduce tr = ReducetRoP(learning_rate=0.001), loss='categorical_crossentropy', metrics=1'accuracy']) early_stop = EarlyStopping(menister='val.loss', ria_ctor=0.2), patience=1, min_tr=0.0005) model.compile(optimizer=Admar(learning_rate=0.001), loss='categorical_crossentropy', metrics=1'accuracy']) reduce tr = ReducetRoP(learning_tret=0.001), loss='categorical_crossentropy', metrics=1'accuracy']) reduce tr = ReducetRoP(learning_tret=0.001), loss='categorical_crossentropy', metrics=1'accuracy']) reduce tr = ReducetRoP(learning_tret=0.001) early_stop = EarlyStopping(monistor='val_loss', min_delta=0, patience=2, verbos=0, mode='auto') ln [9]: history2 = model.fit(train_batches, epochs=10, callbacks=[reduce_tr, early_stop], validation_data = test_batches) fpoch_1/10 ll11/2111 [=====0.0000000000000000000000000000000
	- val_accuracy: 1.0000 - 1r: 0.0010 Esoch 3/19 311(73111
	e-00 - val accuracy: 1.0000 - 1r: 1.0000e-04 Epoch 8/10 3111/3111 [
	In [10]: imgs, labels = next(test_batches)