Project Development Phase
Model Performance Test

Date	17 November 2022
Team ID	PNT2022TMID10824
Project Name	Project - Real-Time Communication System Powered by AI for Specially Abled
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: 1,103,721 Trainable params: 1,103,721 Non-trainable params: 0	Model: "sequential" Layer (type) Output Shape Param # conv2d (Conv2D) (None, 62, 62, 32) 320 max_pooling2d (MaxPooling2D (None, 31, 31, 32) 0) conv2d_1 (Conv2D) (None, 29, 29, 512) 147968 max_pooling2d_1 (MaxPooling (None, 14, 14, 512) 0 2D) conv2d_2 (Conv2D) (None, 14, 14, 32) 147488 max_pooling2d_2 (MaxPooling (None, 7, 7, 32) 0 2D) flatten (Flatten) (None, 1568) 0 dense (Dense) (None, 512) 803328 dense_1 (Dense) (None, 9) 4617 Total params: 1,103,721 Trainable params: 1,103,721 Non-trainable params: 0

2.	Accuracy	Training Accuracy - 0.9994	
		Validation Accuracy -0.9969	


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Epoch 13/25
53/53 [==============================] - 196s 4s/step - loss: 0.0050 - accuracy: 0.9982 - val_loss:
0.0647 - val_accuracy: 0.9844
Epoch 14/25
53/53 [==============================] - 196s 4s/step - loss: 0.0024 - accuracy: 0.9990 - val_loss:
0.2113 - val_accuracy: 0.9751
Epoch 15/25
53/53 [==============================] - 197s 4s/step - loss: 0.0062 - accuracy: 0.9982 - val_loss:
0.2393 - val_accuracy: 0.9720
Epoch 16/25
53/53 [==============================] - 197s 4s/step - loss: 0.0022 - accuracy: 0.9994 - val_loss:
0.0172 - val_accuracy: 0.9969
Epoch 17/25
53/53 [==============================] - 195s 4s/step - loss: 6.0413e-04 - accuracy: 0.9998 - val_lo
s: 0.0504 - val_accuracy: 0.9893
Epoch 18/25
53/53 [==============================] - 196s 4s/step - loss: 2.1259e-04 - accuracy: 1.0000 - val_lo
s: 0.1009 - val_accuracy: 0.9849
Epoch 19/25
53/53 [==============================] - 196s 4s/step - loss: 0.0036 - accuracy: 0.9987 - val_loss:
0.0669 - val_accuracy: 0.9853
Epoch 20/25
53/53 [==============================] - 197s 4s/step - loss: 0.0068 - accuracy: 0.9981 - val_loss:
0.3904 - val_accuracy: 0.9787
Epoch 21/25
53/53 [==============================] - 196s 4s/step - loss: 0.0034 - accuracy: 0.9987 - val_loss:
```