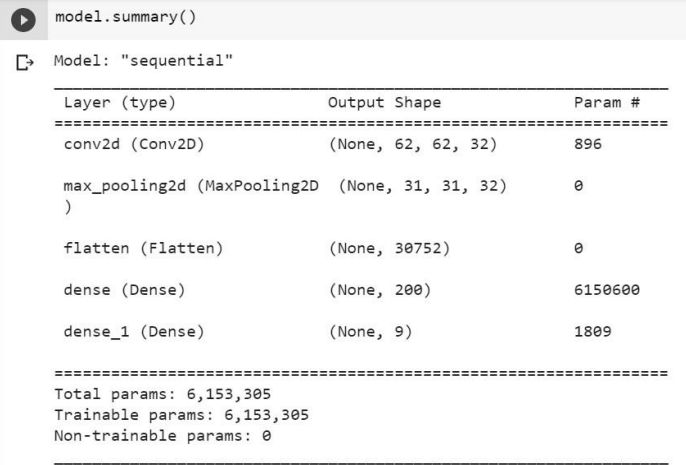


Project Development Phase Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID37811
Project Name	Project - Real Time Communication 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	Model - Sequential model Layers: Conv2D-(None,62,62,32) MaxPooling2D-(None,31,31,32) Flatten-(None,30752) Dense-(None,200) Dense_1 -(None,9)	 <pre> model.summary() Model: "sequential" _____ Layer (type) Output Shape Param # ----- conv2d (Conv2D) (None, 62, 62, 32) 896 max_pooling2d (MaxPooling2D) (None, 31, 31, 32) 0 flatten (Flatten) (None, 30752) 0 dense (Dense) (None, 200) 6150600 dense_1 (Dense) (None, 9) 1809 ----- Total params: 6,153,305 Trainable params: 6,153,305 Non-trainable params: 0 </pre>

2.	Accuracy	Accuracy 0.9826	Epoch 1/10 6/6 [=====] - 23s 4s/step - loss: 5.1286 - accuracy: 0.1690 - val_loss: 3.6505 - val_accuracy: 0.3119 Epoch 2/10 6/6 [=====] - 22s 4s/step - loss: 2.3945 - accuracy: 0.3266 - val_loss: 1.5087 - val_accuracy: 0.4991 Epoch 3/10 6/6 [=====] - 22s 4s/step - loss: 1.4384 - accuracy: 0.4037 - val_loss: 1.0430 - val_accuracy: 0.5836 Epoch 4/10 6/6 [=====] - 23s 4s/step - loss: 1.0761 - accuracy: 0.6488 - val_loss: 0.7109 - val_accuracy: 0.7955 Epoch 5/10 6/6 [=====] - 27s 5s/step - loss: 0.7835 - accuracy: 0.7774 - val_loss: 0.4046 - val_accuracy: 0.9501 Epoch 6/10 6/6 [=====] - 25s 5s/step - loss: 0.5470 - accuracy: 0.8756 - val_loss: 0.2540 - val_accuracy: 0.9752 Epoch 7/10 6/6 [=====] - 22s 4s/step - loss: 0.4018 - accuracy: 0.9090 - val_loss: 0.1675 - val_accuracy: 0.9799 Epoch 8/10 6/6 [=====] - 22s 4s/step - loss: 0.2862 - accuracy: 0.9406 - val_loss: 0.1185 - val_accuracy: 0.9847 Epoch 9/10 6/6 [=====] - 22s 4s/step - loss: 0.2108 - accuracy: 0.9612 - val_loss: 0.0880 - val_accuracy: 0.9863 Epoch 10/10 6/6 [=====] - 22s 4s/step - loss: 0.1548 - accuracy: 0.9738 - val_loss: 0.0736 - val_accuracy: 0.9843
3	Confidence Score	Class Detected – N/A Confidence Score -N/A	N/A