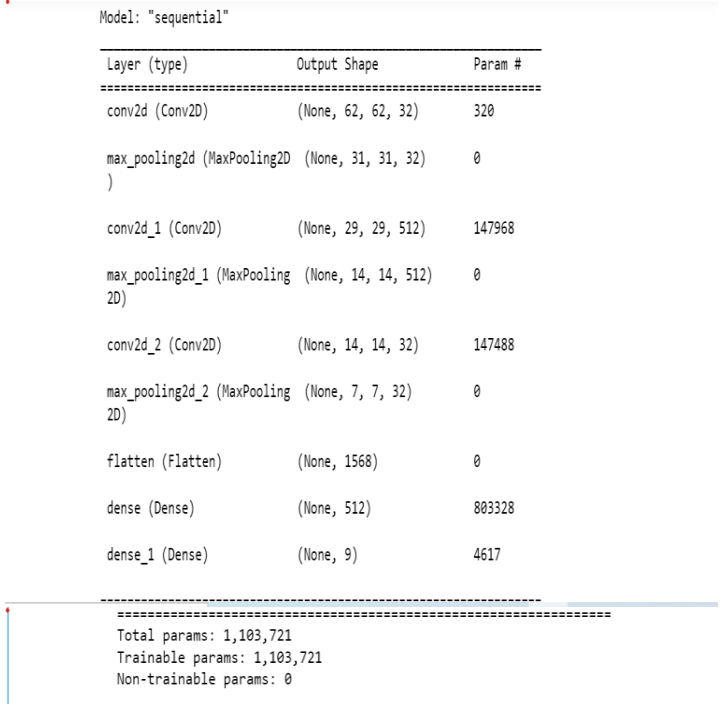


## Project Development Phase Model Performance Test

Date	19 November 2022
Team ID	PNT2022TMID13334
Project Name	Project – Real Time Communication Powered by AI for Specially Abled
Maximum Marks	10 Marks

### Model Performance Testing:

S. N o.	Parameter	Values	Screenshot
	Model Summary	Total params: 1,103,721 Trainable params: 1,103,721 Non-trainable params: 0	 <pre> 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 (MaxPooling2D) (None, 14, 14, 512)      0 conv2d_2 (Conv2D)            (None, 14, 14, 32)       147488 max_pooling2d_2 (MaxPooling2D) (None, 7, 7, 32)         0 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 </pre>

Accuracy	<p>Training Accuracy - 0.9994</p> <p>Validation Accuracy -0.9969</p>	<pre> 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_loss: 0.0504 - val_accuracy: 0.9893 Epoch 18/25 53/53 [=====] - 196s 4s/step - loss: 2.1259e-04 - accuracy: 1.0000 - val_loss: 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: </pre>
Confidence Score (Only Yolo Projects)	<p>Class Detected – N/A</p> <p>Confidence Score – N/A</p>	N/A