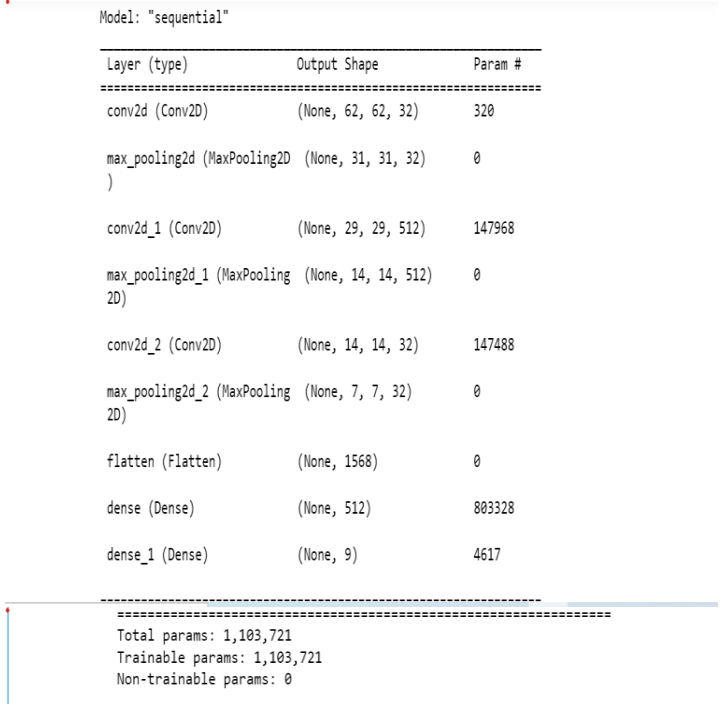


Project Development Phase Model Performance Test

| | |
|---------------|---|
| Date | 19 November 2022 |
| Team ID | PNT2022TMID50033 |
| 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 | Training Accuracy - 0.9994 Validation Accuracy -0.9969 | <div>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:</div> |
| | Confidence Score (Only Yolo Projects) | Class Detected – N/A Confidence Score – N/A | N/A |