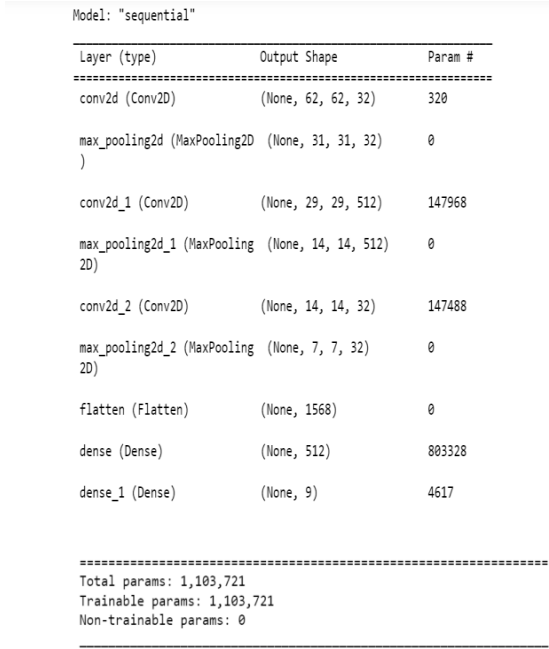


Project Development Phase Model Performance Test

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

Model Performance Testing:

| S.No. | 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 - 0.994 Validation Accuracy -0.9738 | <div>Epoch 1/10 18/18 [=====] - 74s 4s/step - loss: 1.3704 - accuracy: 0.5560 - val_loss: 0.4835 - val_accuracy: 0.8809 Epoch 2/10 18/18 [=====] - 74s 4s/step - loss: 0.3403 - accuracy: 0.8987 - val_loss: 0.2734 - val_accuracy: 0.9187 Epoch 3/10 18/18 [=====] - 74s 4s/step - loss: 0.1527 - accuracy: 0.9500 - val_loss: 0.2531 - val_accuracy: 0.9444 Epoch 4/10 18/18 [=====] - 75s 4s/step - loss: 0.0862 - accuracy: 0.9771 - val_loss: 0.2031 - val_accuracy: 0.9622 Epoch 5/10 18/18 [=====] - 73s 4s/step - loss: 0.0526 - accuracy: 0.9865 - val_loss: 0.2335 - val_accuracy: 0.9640 Epoch 6/10 18/18 [=====] - 75s 4s/step - loss: 0.0343 - accuracy: 0.9923 - val_loss: 0.2349 - val_accuracy: 0.9724 Epoch 7/10 18/18 [=====] - 73s 4s/step - loss: 0.0252 - accuracy: 0.9944 - val_loss: 0.2307 - val_accuracy: 0.9738 Epoch 8/10 18/18 [=====] - 74s 4s/step - loss: 0.0176 - accuracy: 0.9962 - val_loss: 0.2614 - val_accuracy: 0.9693 Epoch 9/10 18/18 [=====] - 74s 4s/step - loss: 0.0152 - accuracy: 0.9968 - val_loss: 0.2669 - val_accuracy: 0.9724 Epoch 10/10 18/18 [=====] - 74s 4s/step - loss: 0.0145 - accuracy: 0.9970 - val_loss: 0.2757 - val_accuracy: 0.9747</div> <div><keras.callbacks.History at 0x7f41ec41c850></div> |
| | Confidence Score (Only Yolo Projects) | Class Detected – N/A Confidence Score – N/A | N/A |