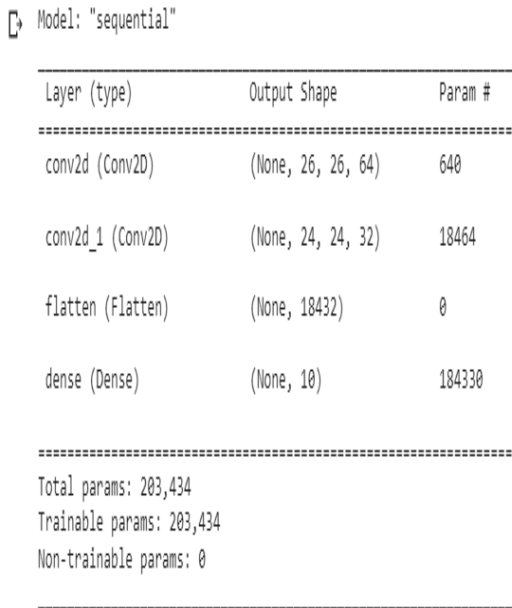
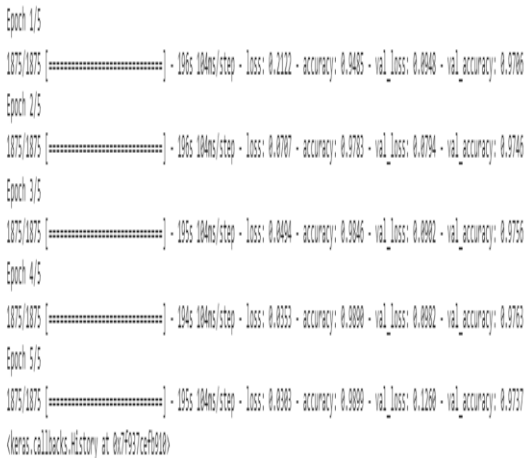


## Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID39415
Project Name	<b>Project - Real-Time Communication System Powered by AI for Specially Abled</b>
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 <ul style="list-style-type: none"> <li>➤ Total params:203,434</li> <li>➤ Trainable params:203,434</li> <li>➤ Non-trainable params:0</li> </ul>	 <pre> Model: "sequential"  Layer (type)                 Output Shape              Param # ===== conv2d (Conv2D)              (None, 26, 26, 64)        640 conv2d_1 (Conv2D)            (None, 24, 24, 32)        18464 flatten (Flatten)            (None, 18432)              0 dense (Dense)                (None, 10)                184330 ===== Total params: 203,434 Trainable params: 203,434 Non-trainable params: 0           </pre>
2.	Accuracy	Training Accuracy – <ul style="list-style-type: none"> <li>➤ Loss : 0.0303</li> <li>➤ Accuracy : 0.9899</li> </ul> Validation Accuracy: <ul style="list-style-type: none"> <li>➤ Val_loss:0.1260</li> <li>➤ Val_accuracy:0.9737</li> </ul>	 <pre> Epoch 1/5 1075/1075 [=====] - 196s 104ms/step - loss: 0.2122 - accuracy: 0.9405 - val_loss: 0.0940 - val_accuracy: 0.9706 Epoch 2/5 1075/1075 [=====] - 196s 104ms/step - loss: 0.0707 - accuracy: 0.9703 - val_loss: 0.0794 - val_accuracy: 0.9746 Epoch 3/5 1075/1075 [=====] - 195s 104ms/step - loss: 0.0404 - accuracy: 0.9846 - val_loss: 0.0902 - val_accuracy: 0.9756 Epoch 4/5 1075/1075 [=====] - 194s 104ms/step - loss: 0.0353 - accuracy: 0.9898 - val_loss: 0.0902 - val_accuracy: 0.9763 Epoch 5/5 1075/1075 [=====] - 195s 104ms/step - loss: 0.0303 - accuracy: 0.9899 - val_loss: 0.1260 - val_accuracy: 0.9737 &lt;keras.callbacks.History at 0x7f937ce4f810&gt;           </pre>

		<ul style="list-style-type: none"><li>➤ Test loss:0.1259</li><li>➤ Test accuracy:0.9736</li></ul>	<div>Metrics (Test loss &amp;Test Accuracy): [0.12595367431640625, 0.9736999869346619]</div>
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