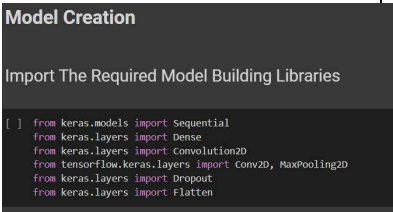
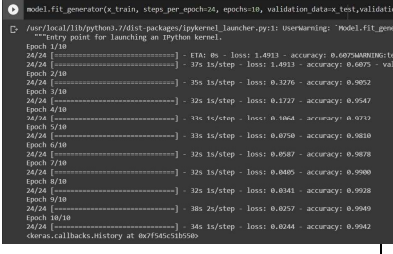



Project Development Phase Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID44103
Project Name	Real-Time Communication System 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	-	 <p>Model Creation</p> <p>Import The Required Model Building Libraries</p> <pre>[] from keras.models import Sequential from keras.layers import Dense from keras.layers import Convolution2D from tensorflow.keras.layers import Conv2D, MaxPooling2D from keras.layers import Dropout from keras.layers import Flatten</pre>
2.	Accuracy	Training Accuracy - Validation Accuracy -	 <pre>model_fit_generator(x_train, steps_per_epoch=24, epochs=20, validation_data=(x_test, validation_generator), **kwargs) ... Epoch 1/20: 114s - loss: 1.4911 - accuracy: 0.09750000000000001 Epoch 2/20: 114s - loss: 0.9276 - accuracy: 0.5002 Epoch 3/20: 114s - loss: 0.5277 - accuracy: 0.6547 Epoch 4/20: 114s - loss: 0.3824 - accuracy: 0.7770 Epoch 5/20: 114s - loss: 0.4050 - accuracy: 0.9618 Epoch 6/20: 114s - loss: 0.4987 - accuracy: 0.9878 Epoch 7/20: 114s - loss: 0.6405 - accuracy: 0.9900 Epoch 8/20: 114s - loss: 0.6343 - accuracy: 0.9928 Epoch 9/20: 114s - loss: 0.6257 - accuracy: 0.9949 Epoch 10/20: 114s - loss: 0.6244 - accuracy: 0.9942 keras.callbacks.History at 0x7f54c51050a0</pre>
3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	 <pre>img=image.load_img('/content/Dataset/test_set/c/15.png',target_size=(640,640)) img=...</pre>