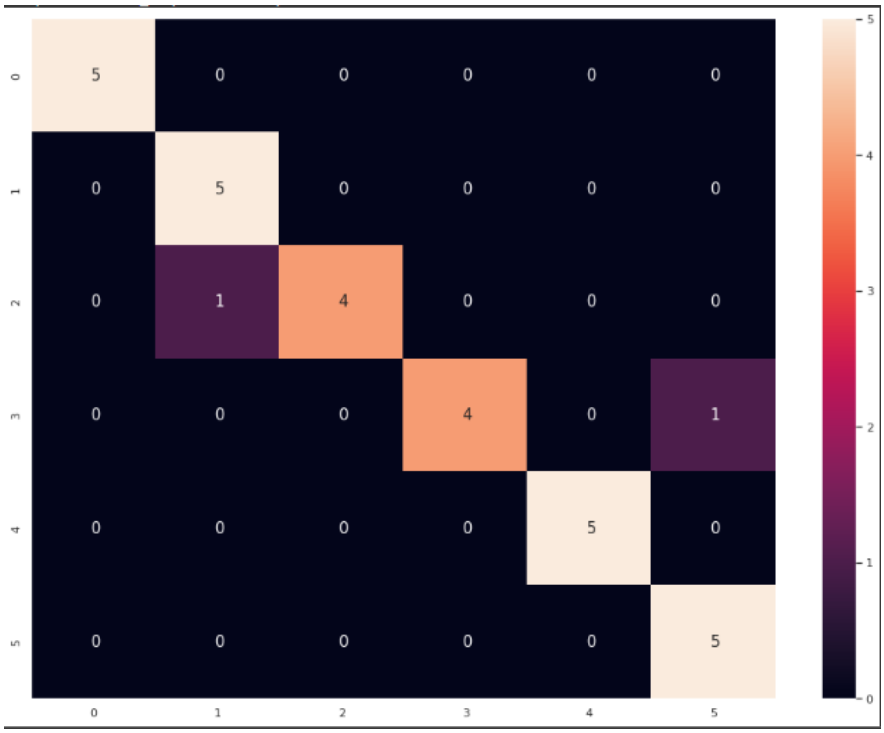
Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID35856
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
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.	Metrics	**Classification Model:** Confusion Matrix : Accuray Score- :93.3% Classification Report :	CONFUSION MATRIX  ACCURACY SCORE:  CLASSIFICATION REPORT:

			Gesture Recognition model accuracy:0.9333 precision recall f1-score support 0 1.00 1.00 1.00 5 1 0.83 1.00 0.91 5 2 1.00 0.80 0.89 5 3 1.00 0.80 0.89 5 4 1.00 1.00 1.00 5 5 0.83 1.00 0.91 5 accuracy 0.93 30 macro avg 0.94 0.93 0.93 30 weighted avg 0.94 0.93 0.93 30
2.	Tune the Model	Hyperparameter Tuning Validation Method	[ ] import tensorflow as tf print(tf.__version__) model=tf.keras.Sequential([tf.keras.layers.Conv2D(16,(3,3),activation='relu',input_shape=(128,128,1)), tf.keras.layers.MaxPooling2D(2,2), tf.keras.layers.Conv2D(32,(3,3),activation='relu'), tf.keras.layers.MaxPooling2D(2,2), tf.keras.layers.Conv2D(16,(3,3),activation='relu'), tf.keras.layers.MaxPooling2D(2,2), tf.keras.layers.Flatten(), tf.keras.layers.Dense(512,activation='relu'), tf.keras.layers.Dense(6,activation='softmax')]) model.compile(loss='categorical_crossentropy',optimizer='Adam',metrics=['Accuracy'])