## **Performance Testing**

Date	18-11-2022
Team ID	PNT2022TMID24275
Project Name	A Gesture – Based Tool for Sterile Browsing of Radiology Images
Maximum Marks	10 Marks

## **MODEL SUMMARY:**

Model: "sequential"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 62, 62, 32)	320
<pre>max_pooling2d (MaxPooling2D )</pre>	(None, 31, 31, 32)	0
conv2d_1 (Conv2D)	(None, 29, 29, 32)	9248
<pre>max_pooling2d_1 (MaxPooling 2D)</pre>	(None, 14, 14, 32)	0
flatten (Flatten)	(None, 6272)	0
dense (Dense)	(None, 512)	3211776
dense_1 (Dense)	(None, 6)	3078

Total params: 3,224,422 Trainable params: 3,224,422 Non-trainable params: 0

## **ACCURACY:**

y: 1.8888

CONTENT	VALUE
Training Accuracy	99.16%
Validation Accuracy	96.67%

```
In [13]: model.fit_generator(x_train,
          steps_per_epoch =594/3,
epochs=25,
          validation_data=x_test,
          validation steps=30/3)
   C:\Users\adhar\AppData\Local\Programs\Python\Python37\lib\site-packages\tensorflow\python\keras\engine\training.py:1940: UserWarning: 'Model.fit_generator' is deprecated and will be removed in a future version. Please use 'Model.fit', which supports gene
   warnings.warn(''Model.fit_generator' is deprecated and
   Epoch 1/25
   198/198 [=
           8888
   Epoch 2/25
   198/198 [=
          9667
   Epoch 3/25
   198/198 [=
            9333
   Epoch 4/25
   198/198 [=
           9667
   Epoch 5/25
   198/198 [=
           8888
   Epoch 6/25
   198/198 [=
           9667
   Epoch 7/25
   198/198 [=
            8888
   Epoch 8/25
   198/198 [=
          9667
   Epoch 9/25
   198/198 [=
           8888
   Epoch 18/25
   198/198 [---
           8888
   Epoch 11/25
   198/198 [---
           8888
   Epoch 12/25
   198/198 [---
           9667
   Epoch 13/25
   198/198 [---
            8888
   Epoch 14/25
   198/198 [---
           y: 1.0000
   Epoch 15/25
   198/198 [---
             ****** - 5s 25ms/step - loss: 0.0346 - accuracy: 0.9882 - val_loss: 0.0023 - val_accuracy: 1.
   8888
   Epoch 16/25
   198/198 [==
           v: 1,8888
   Epoch 17/25
   198/198 [---
           8888
   Epoch 18/25
   198/198 [---
           8888
   Epoch 19/25
   198/198 [---
             v: 1.8888
   Epoch 28/25
   198/198 [---
           8888
   Epoch 21/25
   198/198 [---
           8888
   Epoch 22/25
   198/198 [---
           v: 1,8888
   Epoch 23/25
   198/198 [---
           8888
   Epoch 24/25
   198/198 [---
           y: 1.0000
   Epoch 25/25
   198/198 [--
```