# Project Development Phase Performance Testing

Date	18 November 2022	
Team ID	PNT2022TMID53060	
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images	
Maximum Marks	4 Marks	

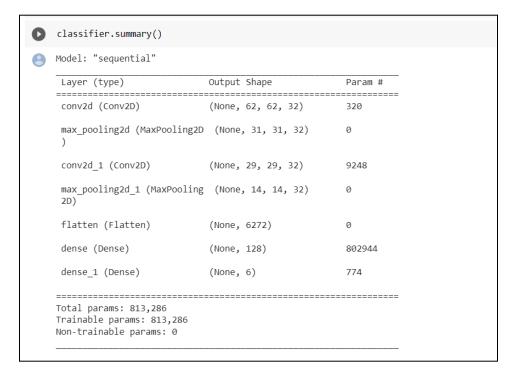
# Model Performace Testing:

Project team shall fill the following information in the model performance testing template.

S. No.	Parameter	Values	Screenshot
1	Model Summary	<pre>conv2d (Conv2D) - 320 max_pooling2d - 0 conv2d_1 (Conv2D) - 9248 max_pooling2d_1 - 0 flatten (Flatten) - 0 dense (Dense) - 802944 dense_1 (Dense) - 774 ===================================</pre>	Model: "sequential"  Layer (type) Output Shape Param #
2	Accuracy	Training accuracy: 98.48%  Validation accuracy: 96.67%	Paper 1/28
3	Confidence Score	Class Detected - N/A Confidence Score - N/A	N/A

#### Screenshots:

### 1. Model Summary



## 2. Accuracy

```
Epoch 1/20
119/119 [==
                  ========] - 5s 42ms/step - loss: 1.4090 - accuracy: 0.4259 - val_loss: 0.6351 - val_accuracy: 0.8000
Epoch 2/20
                ========] - 5s 38ms/step - loss: 0.7041 - accuracy: 0.7003 - val_loss: 0.5916 - val_accuracy: 0.8000
Epoch 3/20
119/119 [==
                119/119 [==:
                 =========] - 5s 41ms/step - loss: 0.3939 - accuracy: 0.8519 - val_loss: 0.4509 - val_accuracy: 0.8667
Epoch 5/20
119/119 [===
               :========] - 5s 40ms/step - loss: 0.3088 - accuracy: 0.8889 - val_loss: 0.3790 - val_accuracy: 0.8667
Fnoch 6/20
                 119/119 [==
Epoch 7/20
119/119 [==:
                =========] - 5s 40ms/step - loss: 0.1891 - accuracy: 0.9343 - val_loss: 0.3799 - val_accuracy: 0.9333
Epoch 8/20
119/119 [===
                  ========] - 5s 41ms/step - loss: 0.1654 - accuracy: 0.9360 - val_loss: 0.6095 - val_accuracy: 0.8667
Epoch 9/20
               =========] - 5s 40ms/step - loss: 0.1182 - accuracy: 0.9579 - val loss: 0.4162 - val accuracy: 0.9333
119/119 [===
Epoch 10/20
119/119 [===
               ==========] - 5s 40ms/step - loss: 0.1253 - accuracy: 0.9680 - val_loss: 0.4763 - val_accuracy: 0.9000
Epoch 11/20
119/119 [====
                =========] - 5s 39ms/step - loss: 0.1078 - accuracy: 0.9646 - val_loss: 0.5120 - val_accuracy: 0.9000
Epoch 12/20
119/119 [====
              Epoch 13/20
119/119 [====
              :=========] - 5s 41ms/step - loss: 0.1008 - accuracy: 0.9680 - val_loss: 0.2593 - val_accuracy: 0.9667
Epoch 14/20
119/119 [===
               Epoch 15/20
              119/119 [====
Epoch 16/20
119/119 [===
               =========] - 5s 40ms/step - loss: 0.0492 - accuracy: 0.9832 - val_loss: 0.2443 - val_accuracy: 0.9333
Epoch 17/20
119/119 [===
                =========] - 5s 40ms/step - loss: 0.0212 - accuracy: 0.9949 - val_loss: 0.2986 - val_accuracy: 0.9667
Epoch 18/20
119/119 [====
              Epoch 19/20
119/119 [===
                =========] - 5s 40ms/step - loss: 0.0799 - accuracy: 0.9646 - val_loss: 0.2960 - val_accuracy: 0.9667
Epoch 20/20
                  ========] - 5s 40ms/step - loss: 0.0567 - accuracy: 0.9848 - val_loss: 0.2684 - val_accuracy: 0.9667
<keras.callbacks.History at 0x7fb22655a880>
```