

Date	22 November 2022
Team ID	PNT2022TMID52914
Project Name	A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	10 Marks

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

[illegible]

3.	Confidence Score (Only Yolo Projects)	Class Detected - Confidence Score -	NA
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Screenshots:

1. Model Summary:

```
model.summary()

Model: "sequential"

```

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 62, 62, 32)	320
max_pooling2d (MaxPooling2D)	(None, 31, 31, 32)	0
conv2d_1 (Conv2D)	(None, 29, 29, 32)	9248
max_pooling2d_1 (MaxPooling2D)	(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

```

2. Accuracy:

3.

Epoch 1/25

198/198 [=====] - 315s 2s/step - loss: 1.3826 - accuracy: 0.4562 - val_loss: 1.1025 - val_accuracy: 0.7000

Epoch 2/25

198/198 [=====] - 13s 65ms/step - loss: 0.5955 - accuracy: 0.7609 - val_loss: 0.4815 - val_accuracy: 0.8333

Epoch 3/25

198/198 [=====] - 14s 70ms/step - loss: 0.4487 - accuracy: 0.8401 - val_loss: 0.3288 - val_accuracy: 0.9000

Epoch 4/25

198/198 [=====] - 15s 77ms/step - loss: 0.3065 - accuracy: 0.8855 - val_loss: 0.4115 - val_accuracy: 0.8000

Epoch 5/25

198/198 [=====] - 13s 65ms/step - loss: 0.2746 - accuracy: 0.8906 - val_loss: 0.2433 - val_accuracy: 0.9333

Epoch 6/25

198/198 [=====] - 13s 66ms/step - loss: 0.1955 - accuracy: 0.9276 - val_loss: 0.5452 - val_accuracy: 0.8667

Epoch 7/25

198/198 [=====] - 14s 72ms/step - loss: 0.1508 - accuracy: 0.9394 - val_loss: 0.3068 - val_accuracy: 0.9667

Epoch 8/25

198/198 [=====] - 13s 65ms/step - loss: 0.1476 - accuracy: 0.9562 - val_loss: 0.1384 - val_accuracy: 0.9333

Epoch 9/25

198/198 [=====] - 13s 66ms/step - loss: 0.1143 - accuracy: 0.9596 - val_loss: 0.1619 - val_accuracy: 0.9667

Epoch 10/25

198/198 [=====] - 14s 72ms/step - loss: 0.0885 - accuracy: 0.9714 - val_loss: 0.2703 - val_accuracy: 0.9667

Epoch 11/25

198/198 [=====] - 13s 65ms/step - loss: 0.0647 - accuracy: 0.9815 - val_loss: 0.1181 - val_accuracy: 0.9667

Epoch 12/25

198/198 [=====] - 13s 65ms/step - loss: 0.0355 - accuracy: 0.9899 - val_loss: 0.3558 - val_accuracy: 0.9000

Epoch 13/25
198/198 [=====] - 13s 66ms/step - loss: 0.0559 - accuracy: 0.9832 - val_loss:
0.1220 - val_accuracy: 0.9667
Epoch 14/25
198/198 [=====] - 13s 66ms/step - loss: 0.0611 - accuracy: 0.9815 - val_loss:
0.2230 - val_accuracy: 0.9667
Epoch 15/25
198/198 [=====] - 15s 73ms/step - loss: 0.0853 - accuracy: 0.9747 - val_loss:
0.2975 - val_accuracy: 0.9000
Epoch 16/25
198/198 [=====] - 13s 66ms/step - loss: 0.0600 - accuracy: 0.9848 - val_loss:
0.3195 - val_accuracy: 0.9667
Epoch 17/25
198/198 [=====] - 13s 66ms/step - loss: 0.0770 - accuracy: 0.9781 - val_loss:
0.2482 - val_accuracy: 0.9667
Epoch 18/25
198/198 [=====] - 14s 73ms/step - loss: 0.0444 - accuracy: 0.9832 - val_loss:
0.2470 - val_accuracy: 0.9667
Epoch 19/25
198/198 [=====] - 13s 66ms/step - loss: 0.0123 - accuracy: 0.9983 - val_loss:
0.2610 - val_accuracy: 0.9667
Epoch 20/25
198/198 [=====] - 13s 66ms/step - loss: 0.0187 - accuracy: 0.9933 - val_loss:
0.3005 - val_accuracy: 0.9333
Epoch 21/25
198/198 [=====] - 13s 66ms/step - loss: 0.0333 - accuracy: 0.9933 - val_loss:
0.5817 - val_accuracy: 0.9333
Epoch 22/25
198/198 [=====] - 14s 73ms/step - loss: 0.0980 - accuracy: 0.9697 - val_loss:
0.2166 - val_accuracy: 0.9000
Epoch 23/25
198/198 [=====] - 13s 66ms/step - loss: 0.0561 - accuracy: 0.9848 - val_loss:
0.2064 - val_accuracy: 0.9667
Epoch 24/25
198/198 [=====] - 14s 69ms/step - loss: 0.0440 - accuracy: 0.9882 - val_loss:
0.0157 - val_accuracy: 1.0000
Epoch 25/25
198/198 [=====] - 15s 73ms/step - loss: 0.0474 - accuracy: 0.9899 - val_loss:
0.2139 - val_accuracy: 0.9333
<keras.callbacks.History at 0x7f8554691a10>