Project Development Phase Model Performance Test

Date	18 November 2022	
Team ID	PNT2022TMID17973	
Project Name	Project - 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.	Model Summary	conv2d (Conv2D) - 896 max_pooling2d - 0 conv2d_1 (Conv2D) - 9248 max_pooling2d_1 - 0 flatten (Flatten) - 0 dense (Dense) - 3211776 dense_1 (Dense) - 3078	model.summary() Model: "sequential_1" Layer (type)
	Total params: 3,224,998 Trainable params: 3,224,998 Non-trainable params: 0	max_pooling2d_1 (MaxPooling2 (None, 14, 14, 32) 0	
2.	Accuracy	Training Accuracy - 97.81% Validation Accuracy - 93.33%	
3.	Confidence Score (Only Yolo Projects)	Class Detected – N/A Confidence Score – N/A	N/A

SCREENSHOTS:

Model Summary

model.summary()		
Model: "sequential_1"		
Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 62, 62, 32)	896
max_pooling2d (MaxPooling2D)	(None, 31, 31, 32)	0
conv2d_1 (Conv2D)	(None, 29, 29, 32)	9248
max_pooling2d_1 (MaxPooling2	(None, 14, 14, 32)	0
flatten (Flatten)	(None, 6272)	0
dense (Dense)	(None, 512)	3211776
dense_1 (Dense)	(None, 6)	3078
Total params: 3,224,998 Trainable params: 3,224,998 Non-trainable params: 0		

2. Model Accuracy

```
poch 2/25
pporm 3/25
198/198 [===================] - 14s 69ms/step - loss: 0.4165 - accuracy: 0.8586 - val_loss: 0.3333 - val_accuracy: 0.8000
[poch 4/25
198/198 [================] - 14s 68ms/step - loss: 0.2977 - accuracy: 0.8923 - val_loss: 0.1563 - val_accuracy: 0.9333
[poch 5/25
:========] - 15s 75ms/step - loss: 0.1546 - accuracy: 0.9444 - val_loss: 0.7488 - val_accuracy: 0.9000
poch 7/25
.98/198 [====
         :========] - 14s 72ms/step - loss: 0.1484 - accuracy: 0.9377 - val_loss: 0.3401 - val_accuracy: 0.9333
pocn 9/25
198/198 [=================] - 15s 74ms/step - loss: 0.1207 - accuracy: 0.9495 - val_loss: 0.3724 - val_accuracy: 0.9333
[poch 10/25
198/198 [===================] - 14s 71ms/step - loss: 0.0451 - accuracy: 0.9848 - val_loss: 0.5607 - val_accuracy: 0.8667
poch 11/25
ooch 12/25
pokol 13/25
[poch 13/25] - val_loss: 0.2635 - val_accuracy: 0.9667
[poch 13/25]
     poch 14/25
.98/198 [================================] - 15s 76ms/step - loss: 0.0538 - accuracy: 0.9815 - val_loss: 0.4539 - val_accuracy: 0.9667
poch 17/25
.98/198 [=================================== ] - 14s 70ms/step - loss: 0.0216 - accuracy: 0.9916 - val_loss: 0.3584 - val_accuracy: 0.9667
och 18/25
:=======] - 15s 73ms/step - loss: 0.0506 - accuracy: 0.9798 - val_loss: 0.5857 - val_accuracy: 0.9667
98/198 [====
och 21/25
och 24/25
```