## **Project Development Phase**

## **Model Performance Test**

Date	11 November 2022
Team ID	PNT2022TMID24328
Project Name	Project - Inventory Management System for Retailers
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	Total params: 896 Trainable params: 896 Non-trainable params: 0	model.summary()
2.	Accuracy	Training Accuracy – 96.55  Validation Accuracy – 97.45	1906-1739   1906-1739   1906-1739   1906-1739   1907

## **Model Summary**

```
model.summary()
```

Model: "sequential"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 126, 126, 32)	896
<pre>max_pooling2d (MaxPooling2D )</pre>	(None, 63, 63, 32)	0
flatten (Flatten)	(None, 127008)	0
		.=======

Total params: 896 Trainable params: 896 Non-trainable params: 0

**Accuracy:** 

```
Epoch 1/10
0.8861
Epoch 2/10
0.9075
Epoch 3/10
225/225 [==========] - 85s 375ms/step - loss: 0.2032 - accuracy: 0.9303 - val loss: 0.2203 - val accuracy:
0.9288
225/225 [===
      Epoch 5/10
225/225 [===========] - 84s 372ms/step - loss: 0.1719 - accuracy: 0.9389 - val_loss: 0.1330 - val_accuracy:
0.9632
Epoch 6/10
225/225 [===========] - 85s 376ms/step - loss: 0.1240 - accuracy: 0.9580 - val_loss: 0.1340 - val_accuracy:
0.9573
Epoch 7/10
225/225 [===
       0.9478
Epoch 8/10
Epoch 9/10
225/225 [============] - 83s 367ms/step - loss: 0.0967 - accuracy: 0.9655 - val_loss: 0.1412 - val_accuracy:
0.9531
Epoch 10/10
225/225 [==========] - 83s 369ms/step - loss: 0.0954 - accuracy: 0.9655 - val_loss: 0.0905 - val_accuracy:
0.9745
```