EXPERIMENT 2

super().__init__(activity_regularizer=activity_regularizer, **kwargs)
Model: "sequential"

Layer (type)	Output Shape	Param #
conv2d (Conv2D)	(None, 26, 26, 32)	320
max_pooling2d (MaxPooling2D)	(None, 13, 13, 32)	0
conv2d_1 (Conv2D)	(None, 11, 11, 64)	18,496
max_pooling2d_1 (MaxPooling2D)	(None, 5, 5, 64)	0
flatten (Flatten)	(None, 1600)	0
dense (Dense)	(None, 128)	204,928
dense_1 (Dense)	(None, 10)	1,290

Total params: 225,034 (879.04 KB)
Trainable params: 225,034 (879.04 KB)
Non-trainable params: 0 (0.00 B)
Epoch 1/5
844/844 42s 48ms/s

```
- 42s 48ms/step - accuracy: 0.8909 - loss: 0.3657 - val_accuracy: 0.9827 - val_loss: 0.0578
Epoch 2/5
                      Epoch 3/5
844/844 —
Epoch 4/5
                       — 39s 46ms/step - accuracy: 0.9894 - loss: 0.0338 - val_accuracy: 0.9890 - val_loss: 0.0389
844/844 -
                      --- 39s 47ms/step - accuracy: 0.9918 - loss: 0.0254 - val_accuracy: 0.9873 - val_loss: 0.0554
844/844 -
                       - 41s 47ms/step - accuracy: 0.9940 - loss: 0.0188 - val_accuracy: 0.9908 - val_loss: 0.0341
Test Accuracy: 99.11%
Test Loss: 0.0289
```

- 0s 138ms/step

dense (Dense)

Pred: 2 Pred: 1 Pred: 0 Pred: 4 Pred: 7

204,928

dense_1 (Dense)	(None, 10)		1,290			
Total params: 225,034 (879.04 Trainable params: 225,034 (879.04 Non-trainable params: 0 (0.00	0.04 KB)					
Epoch 1/5						
844/844 42	s 48ms/step - accuracy:	0.8909 - loss:	0.3657	' - val_accuracy:	0.9827 - val_lo	oss: 0.0578
Epoch 2/5						
844/844 39	s 46ms/step - accuracy:	0.9833 - loss:	0.0526	- val_accuracy:	0.9873 - val_lo	oss: 0.0459
Epoch 3/5						
844/844 39	s 46ms/step - accuracy:	0.9894 - loss:	0.0338	3 - val_accuracy:	0.9890 - val_lo	oss: 0.0389
Epoch 4/5						
844/844 39	s 47ms/step - accuracy:	0.9918 - loss:	0.0254	- val_accuracy:	0.9873 - val_lo	oss: 0.0554
Epoch 5/5						
844/844 41	s 47ms/step - accuracy:	0.9940 - loss:	0.0188	3 - val_accuracy:	0.9908 - val_lo	oss: 0.0341
Test Accuracy: 99.11%						
Test Loss: 0.0289						
1/1 0s 138	Bms/step					
Drad. 7	Drad. 2	Produ 1		Prod. 0		rod. 1

