EXPERIMENT 7

```
Training data shape: (60000, 28, 28)
Testing data shape: (10000, 28, 28)
Flattened training shape: (60000, 784)
Flattened testing shape: (10000, 784)
Model: "functional"
```

Layer (type)	Output Shape	Param #
input_layer (InputLayer)	(None, 784)	0
dense (Dense)	(None, 32)	25,120
dense_1 (Dense)	(None, 784)	25,872

```
 Total params: 50,992 (199.19 KB)
 Trainable params: 50,992 (199.19 KB)
 Non-trainable params: 0 (0.00 B)
Epoch 1/20
235/235 ──────────────── 5s 14ms/step - loss: 0.5411 - val_loss: 0.2952
Epoch 2/20
235/235 ──────────────── 2s 10ms/step - loss: 0.2786 - val_loss: 0.2431
Epoch 3/20
235/235 ──────────────── 3s 11ms/step - loss: 0.2397 - val_loss: 0.2245
Epoch 4/20
235/235 ──────────────── 2s 11ms/step - loss: 0.2225 - val_loss: 0.2137
Epoch 5/20
235/235 ──────────────── 4s 17ms/step - loss: 0.2129 - val_loss: 0.2064
Epoch 6/20
235/235 ──────────────── 4s 10ms/step - loss: 0.2060 - val_loss: 0.2008
Epoch 7/20
235/235 ──────────────── 2s 10ms/step - loss: 0.2010 - val_loss: 0.1967
Epoch 8/20
235/235 ──────────────── 2s 10ms/step - loss: 0.1970 - val_loss: 0.1935
Epoch 9/20
235/235 ──────────────── 4s 15ms/step - loss: 0.1941 - val_loss: 0.1910
Epoch 10/20
235/235 ──────────────── 3s 12ms/step - loss: 0.1915 - val_loss: 0.1889
Epoch 11/20
235/235 ──────────────── 2s 10ms/step - loss: 0.1893 - val_loss: 0.1870
Epoch 12/20
```


Autoencoder Loss Curve