

Team ID	PNT2022TMID23253
Project Name	A Novel Method for Handwritten Digit Recognition System

## Train the Model:

```
In [80]: model.fit(X_train1, y_train1, batch_size=32, epochs=5, validation_data=(X_test1, y_test1))

Epoch 1/5:
1875/1875 [=====] - 34s 39ms/step - loss: 0.2218 - accuracy: 0.9528 - val_loss: 0.8769 - val_accuracy:
0.9746
Epoch 2/5:
1875/1875 [=====] - 76s 41ms/step - loss: 0.8672 - accuracy: 0.9795 - val_loss: 0.8998 - val_accuracy:
0.9731
Epoch 3/5:
1875/1875 [=====] - 87s 48ms/step - loss: 0.8894 - accuracy: 0.9847 - val_loss: 0.8897 - val_accuracy:
0.9759
Epoch 4/5:
1875/1875 [=====] - 83s 44ms/step - loss: 0.8378 - accuracy: 0.9878 - val_loss: 0.8828 - val_accuracy:
0.9781
Epoch 5/5:
1875/1875 [=====] - 86s 46ms/step - loss: 0.8277 - accuracy: 0.9912 - val_loss: 0.1377 - val_accuracy:
0.9704

Out[80]: <keras.callbacks.History at 0x21c435b2f70>
```