

# A Novel Method for Handwritten Digit Recognition System

Test with the Saved model

Project Id: PNT2022TMID15811

```
In [41]: # Test with Loaded model|
loaded_model=load_model('mnist.h5')
```

```
In [45]: new_data=X_test[10]
new_data=new_data.reshape(1,28,28,1)
new_pred=model.predict(new_data)
print("Predicted Number :",np.argmax(new_pred))

1/1 [=====] - 0s 17ms/step
Predicted Number : 0
```

```
In [46]: plt.imshow(X_test[10])
```

```
Out[46]: <matplotlib.image.AxesImage at 0x29269400c70>
```

