

## A Novel Method for Handwritten Digit Recognition System

Test the model

Project Id: PNT2022TMID15811

```
In [29]: new_data=X_test[6]  
new_data=new_data.reshape(1,28,28,1)
```

```
In [35]: new_pred=model.predict(new_data)  
print("Predicted Number :",np.argmax(new_pred))  
  
1/1 [=====] - 0s 17ms/step  
Predicted Number : 4
```

```
In [36]: plt.imshow(X_test[6])
```

```
Out[36]: <matplotlib.image.AxesImage at 0x29268b9d820>
```

