

# Loading The Data

**TEAM ID : PNT2022TMID28890**

**PROJECT NAME : A Novel Method for Handwritten Digit Recognition System**

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The dataset for this model is imported from the Keras module.

## load data

```
(X_train, y_train), (X_test, y_test) = mnist.load_data() #splitting the mnist data into train and test
```

We split the data into train and test. Using the training dataset we train the model and the testing dataset is used to predict the results.

```
print(X_train.shape)#shape is used for give the dimension values #60000-rows 28x28-pixels  
print(X_test.shape)
```

```
(60000, 28, 28)  
(10000, 28, 28)
```

We are finding out the shape of X\_train and x\_test for better understanding. It lists out the dimensions of the data present in it.  
in trainset, we have 60000 images, and in the test set we have 10000 images