

LOADING THE DATA

Team ID	PNT2022TMID50703
Project Name	A Novel Method for Handwritten Digit Recognition System

Loading the data:

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

```
(X_train, y_train), (X_test, y_test) = mnist.load_data()

print(X_train.shape)
print(X_test.shape)
```

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

```
Downloading data from https://storage.googleapis.com/tensorflow/tf-kera/datasets/mnist.npz
11490434/11490434 [=====] - 1s 0us/step
(60000, 28, 28)
(10000, 28, 28)
```

- The finding of out the shape of X_train and X_test for better understanding. It lists out the dimensions of the data present in it.

- In train set, we have 60000 images, and in the test set we have 10000 images.