

## A Novel Method for Handwritten Digit Recognition System

### Apply One Hot Encoding

```
In [7]: number_of_classes= 10  
        y_train = np_utils.to_categorical(y_train,number_of_classes)  
        y_test = np_utils.to_categorical(y_test,number_of_classes)
```

```
In [8]: print("After encoding the value 6 of y_test[22] become", y_test[22])
```

After encoding the value 6 of y\_test[22] become [0. 0. 0. 0. 0. 0. 1. 0. 0. 0.]