## A Novel Method for Handwritten Digit Recognition System

```
Applying one hot encoding
   APPLYING ONE HOT ENCODING
  [ ] number_of_classes = 20
  [ ] y_train = np_utils.to_categorical(y_train,number_of_classes)
   y_test = np_utils.to_categorical(y_test,number_of_classes)
  [ ] y_train[0]
        [ ] y_test
        array([[0., 0., 0., ..., 0., 0., 0.],

[0., 0., 1., ..., 0., 0., 0.],

[0., 1., 0., ..., 0., 0., 0.],
               [0., 0., 0., ..., 0., 0., 0.],
[0., 0., 0., ..., 0., 0.],
[0., 0., 0., ..., 0., 0.]], dtype=float32)
```