AIM

To implement classifier using an open source dataset.

OBJECTIVE:

→ To understand the fundamentals of supervised classifier.

> To train and test a classifier using data.

> To evaluate model performance using occuracy.

> To visualize prodictions and interpret results.

PSEUDOCODE

1. Import necessary libraries

å load dataset from skleann-(digits)

3. Split the dataset into features (x)

and labels (y)

4. Divide the data into training and

Fosting sots.

5, Initialize KNN (K-Nearest Neighbours)

classifier.

6. Training the classifier using training data.

7. predict the labels for test data.

8. Evaluate the performance using accurace

and classification report 9. Visualize a sample predictions.

OBSERVATION

the classifier trained successfully on the dataset.

It achieved high accuracy in classifying unseen data

visual inspection showed that predict values matched the actual labors in most cases

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

RESULT I CILICATION IN OND I

Implement classifier using an open

source dotaset

[[6,0,0,0,1,6,8,0,0,3]]





