MES Wadia College of Engineering Pune-01

Department of Computer Engineering

Name of Student:	**Class:**
Semester/Year:	**Roll No:**
Date of Performance:	**Date of Submission:**
Examined By:	**Experiment No: Part A-10**

PART: A) ASSIGNMENT NO: 10

Title: Data Visualization-III

Download the Iris flower dataset or any other dataset into a DataFrame.

(e.g., https://archive.ics.uci.edu/ml/datasets/Iris). Scan the dataset and give the inference as:

1. List down the features and their types (e.g., numeric, nominal) available in the dataset.
2. Create a histogram for each feature in the dataset to illustrate the feature distributions.
3. Create a box plot for each feature in the dataset.
4. Compare distributions and identify outliers.

OBJECTIVES:

- Objective of the Assignment: Students should be able to perform the data Visualization operation using Python on any open source dataset

PREREQUISITE:

- Basic of Python Programming.
- Seaborn Library, Concept of Data Visualization.

APPRATUS:

- Programming Language: Python.

CONCLUSION:

QUESTIONS:

1. For the iris dataset, lists down the features and their types.
2. Write a code to create a histogram for each feature. (iris dataset)
3. Write a code to create a boxplot for each feature. (iris dataset)

4. Identify the outliers from the boxplot drawn for iris dataset.