School of Computer Engineering and Technology
(Cybersecurity and Forensics)

Python Programming Lab Assignment No:07

Problem Statement:

Use of Panda's module for data analysis and Matplotlib for data visualization.

Aim:

Write a python code to read a .csv file using panda's module and print the first and last five records of the file. Using Matplotlib shows data analysis.

Objectives:

To learn and implement Function of Pandas and Matplotlib modules.

Theory:

1. Define Python Pandas module for data analysis and mention different types of Data Structures in Panda?
2. What is Matplotlib in Python?

Platform: Windows/Ubuntu-Python Editor(Jupiter notebook)

Input: Reading data from 'csv file' for data analysis operation.

Output: Data analysis and visualization of data.

Conclusion:

Studied python functions of Pandas and Matplotlib for data analysis.

FAQs:

1. List out the key features of Panda Library?
2. What are the different applications of Pandas.
3. List down the different types of graphs are supported by Matplot library.