



BANGALORE INSTITUTE OF TECHNOLOGY
K R ROAD, V V PURA, BENGALURU-04
DEPARTMENT OF COMPUTER SCIENCE &
ENGINEERING
2022-23 (EVEN)

VI Semester 2021

Batch

Course Title : Data Science And Visualization

Course Code : 21CS644

Assignment Questions

Note: Programs to be Hand written using A4 sheets and soft binded along with the printout of Outputs (customized outputs mentioning your name and USN on each page)

1.a)	Write a Python program to demonstrate how to draw a Stacked Bar Plot using Matplotlib
b)	Write a Python program to demonstrate how to draw a Scatter Plot, Bubble Plot using Matplotlib .
2.a)	Write a Python program to demonstrate how to draw a Histogram Plot, Box Plot using Matplotlib .
b)	Write a Python program to demonstrate how to draw a Pie Chart using Matplotlib .
3.a)	Write a Python program to illustrate Linear Plotting using Matplotlib .
b)	Write a Python program to illustrate liner plotting with line formatting using Matplotlib .
4.	Write a Python program which explains uses of customizing seaborn plots with Aesthetic functions.
5a)	Write a Python program to explain working with using Annotations and bokeh line graph Legends.
b.)	Write a Python program to draw radar chart using Matplotlib .
6.	Write a Python program to draw 3D Plots using Plotly Libraries .
7.a)	Write a Python program to draw Time Series using Plotly Libraries .
b)	Write a Python program for creating Maps using Plotly Libraries .
8.	Write the python program to demonstrate correlogram and Heatmap .

Faculty-In charge

Course Coordinator

Module Coordinator

IQAC

Programme Coordinator