

**Computer Science and Engineering Department, SVNIT, Surat**  
**M.Tech.-I DS, Semester-1**  
**Foundation of Data Science (CSDS111)**  
**Lab Assignment: 5**

**Exploratory Data Analysis and Data Visualization**

Download one numeric dataset and perform the following:

1. Describe the dataset type.
  - a. Explain the type of data (ordinal, nominal, etc.). Justify your choice.
  - b. Perform data analysis (Univariate or multivariate). Analyze the relationships and explain the results.
  - c. Perform statistical analysis of the data (variance, standard deviation, range etc.). Explain and justify the results.
2. Perform data visualization for analysis done in Question 1. Explain and justify the analysis obtained. Data visualization will include Scatter plots, bar charts, box plots, histogram etc.