**Class: BE-Computer; Semester: VIII**

**Subject: Applied Data Science Lab**

**Experiment No.: 02**

**AIM:** Apply data imputation Techniques on the given dataset.

**THEORY:**

### What is Imputation? - null, NaN, or NA values

### Why Imputation is Important?

Data Imputation Techniques

Deletion of rows with missing data

Mean/Median Imputaion

Mode Imputation

arbitrary value imputation

End of tail Imputation

Random sample Imputaion

frequent category Imputation

Addinga a new category as “missing”

Random sample Imputaion

Regression

Advantages and disavantages of each approach

**Implementaion details**

Dataset used

Library- missingno ,Seaborn ,plotly or any other

Graphs -Bar chart, Heatmap or any other

**Conclusion­**