



## **Data Collection and Preprocessing Phase**

Date	06-06-2024
Team ID	740031
Project Title	DETECTION OF PHISHING WEBSITE FROM URLS
Maximum Marks	6 Marks

## **Data Exploration and Preprocessing Report**

Dataset variables will be statistically analyzed to identify patterns and outliers, with Python employed for preprocessing tasks like normalization and feature engineering. Data cleaning will address missing values and outliers, ensuring quality for subsequent analysis and modeling, and forming a strong foundation for insights and predictions.

Section	Description
Data Overview	Dimension: 614 rows × 13 columns Descriptive statistics:
Univariate Analysis	





Bivariate Analysis	
Multivariate Analysis	





Outliers and Anomalies	-		
Data Preprocessing Code Screenshots			
Loading Data			
Handling Missing Data	[35]: #Splitting data as independent and dependent #removing index column in independent dataset x=ds.ilac[1,131].values y=ds.ilac[1,-1].values print(x,y)  [[37, 19, 0, 0, 0, 0, 0,] [77, 23, 1, 0, 0, 0,] [126, 50, 1, 0, 0, 0,] [105, 16, 1, 0, 0, 0,] [38, 30, 0, 0, 0, 0, 0,] [477, 14, 1, 0, 0, 1,] ['legitimate' 'phishing' 'legitimate' 'legitimate' 'phishing']		
Data Transformation	-		
Feature Engineering	Attached the codes in final submission.		
Save Processed Data	-		