Course Name –EDA PROJECT

Course Code -INT-353

Continuous Assessment-III

Evaluation		
S. No.	**Topics**	**Marks**
1	Project Report	15
2	Presentation (PPT)	5
3	Project file (.ipynb)	10
Total		**30**

❖ Include your details on Page-1

❖ Exploratory Data Analysis Project Report: Page-2

Table of Contents

- List the main sections and subsections of your report with page numbers.

Introduction

- Introduce the problem or dataset you are analysing.
- State the objectives of the EDA.
- Provide background information on the data source and context.

Domain knowledge

- Description about the topic/domain.

Why you choose this dataset

- Mention the reason for selecting the dataset.

Libraries used and approaches

- Libraries used in your project and mention the approaches to solve given problem.

Data Description

- Describe the dataset used in the analysis.
- Mention the source of the data.
- Include information about the variables, their types, and any data preprocessing that was performed.

Data Cleaning

- Explain the data cleaning steps taken to handle missing values, outliers, and any other data quality issues.

Data Exploration

- Present initial summary statistics and visualizations of the data.
- Identify trends, patterns, and interesting observations.

Univariate Analysis

- Analyse individual variables in detail.

- Use appropriate visualizations (histograms, box plots, etc.) to explore their distributions.

Bivariate Analysis

- Examine relationships between pairs of variables.
- Use scatterplots, correlation matrices, and other visualizations to uncover associations.

Multivariate Analysis

- Explore interactions and correlations among multiple variables.
- Utilize techniques like dimensionality reduction (PCA) and advanced visualizations.

Distributions

- Perform any distribution.
- Type of distribution your dataset/column follows and convert it to normal distribution.

Hypothesis Testing

- If you have specific hypotheses, describe the tests conducted and their results.

Findings and Insights

- Summarize the main findings and insights derived from the analysis.
- Highlight any patterns, trends, or anomalies.

Limitations

- Discuss any limitations in your analysis, data, or methods.

Recommendations

- Suggest any actions or further steps based on your findings.

Conclusion

- Summarize the key takeaways from your EDA.

References

- List any data sources, libraries, or materials you used.

Acknowledgments

- Mention any individuals, organizations, or tools that contributed to your project.

Project Code

- **Include a link to the code/Jupyter notebook used for the analysis.**
- **Include link for dataset also**
- **Include presentation link**