

**CSEYYY: <Course Title>**

**[Fall 2021]**

**Project Report**

**Group No. – A (Section Z)**

**Submitted by:**

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| **Student ID** | **Student Name** | **Contribution Percentage** | **Signature** |
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*The difference between maximum and minimum contribution among the students must be at least 10%. Otherwise, penalty will be given to every member of the team. Remove this line when you prepare the report.*

# Introduction

Provide an overview of your project work including the performance of different models. Must not be more than 250 words.

# Data Preprocessing

Explain your data pre-processing steps including filling null values, dropping duplicates, encoding, scaling, dimensionality reduction or other approaches as applicable.

# Dataset Characteristics and Exploratory Data Analysis (EDA)

In this section, introduce your dataset. Mention number of rows, columns and other characteristics. Provide the histograms of data distribution and correlations among the variable with a suitable discussion. This section is a must for CSE303 students. For others, visualizations for EDA is not mandatory but will be appreciated.

# Machine Learning Models

Provide a brief description of the machine learning models you used. They could be different types of regression, classification, clustering, recommender systems and so on, whichever is applicable for your course.

Don’t copy-paste directly from the Internet! Write in your own words. Maximum 2 Pages.

CSE488 students must describe the motivation and objectives of your model in this section for Part-II (Application) of your term project.

# Description of Models and Associated Parameters

Discuss the different models that you implemented in this project. Provide a detailed description of their parameters. Use tables as necessary.

CSE488 students must describe the workflow of your Application using a suitable diagram and justify it. They need to also include the results of their Part-I (Queries) of the Term Project as a separate subsection at the beginning of this section.

# Performance Evaluation

Use charts, figures appropriately to visualize and compare the performance of your model or different models. CSE303 students must show the performance comparison among different regression models as suggested in the class.

# Discussion

Most important section!

Analyze the performance of the models and provide your hypothesis behind their performance, e.g. Why some models are performing better than others? Provide appropriate reasonings of your hypothesis.

CSE488 students must discuss how your model achieves the objectives you mentioned before.

# Conclusion

What’s on your mind after finishing this project?

Put remarks, comments, challenges, opportunities – anything in this section.

# References

Put your references here, if any.

# Appendix

Put your code here in Courier New, Font size: 10, Single spacing.