**Report Title**

**Project and Course Name**

**Date**

**Contents / Agenda**

* **Business Problem Overview and Solution Approach**
* **Data Overview**
* **EDA Results - Univariate and Multivariate**
* **Data Preprocessing**
* **Model Performance Summary**
* **Conclusion and Recommendations**

**Business Problem Overview and Solution Approach**

* **Please define the problem**
* **Please mention the solution approach / methodology**

**Data Overview**

* **Overview of the data used in the analysis**

**EDA Results**

* **Provide comments on the visualization such as range of attributes, outliers of various attributes.**
* **Provide comments on the distribution of the variables**
* **Use appropriate visualizations to identify the patterns and insights**
* **Key meaningful observations on individual variables and the relationship between variables**

**Model Building**

* **Build the Decision Tree and Random Forest model**
* **Evaluate the performance of Training and Testing sets**
* **Check the important features using the Feature Importance chart**
* **Improve the Model performance by hypertuning the parameters**

**Model Performance Summary**

* **Compare the performance of each model**
* **Choose the best model and state the reasons for choosing the best model**
* **Identify the important predictors from the best model**

**Conclusion**

* **Proposal of specific actions that the business can take based on the regression analysis**
* **Explain how the analysis can contribute to the business success**

**Appendix**

* **Screenshots or visualizations of key findings and insights from the analysis**
* **Additional details on the analysis, such as code snippets or technical diagrams**
* **Any supplementary information or supporting materials that were used in the analysis**