**Salifort HR Project Proposal**

**Overview**

This project aims to develop a predictive model to identify employees at risk of leaving Salifort Motors. By analyzing historical employee data, cleaning and preprocessing the data, exploring data patterns, and building and evaluating machine learning models such as logistic regression and random forest, we can gain valuable insights into the factors driving employee attrition. The project deliverables include a cleaned dataset, an exploratory data analysis report, a model development report, a trained predictive model, and an interactive dashboard. Ethical considerations, such as data privacy, fairness, and transparency, will be prioritized throughout the project. By successfully implementing this model, Salifort Motors can improve employee retention by identifying and addressing key factors contributing to attrition.

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| **Milestones** | **Tasks** | **PACE stages** |
| **1** | **Business Structure and Problem Statement.** | **Plan stage** |
| **2** | **Exploratory data analysis EDA.** | **Plan and Analyze stage** |
| **3** | **Evaluate which Regression or Machine learning model.** | **Analyze and construct stage** |
| **4** | **Hit and Trial Methods for Regression and Machine learning model.** | **Analyze stage** |
| **5** | **Finalize the model.** | **Construct Stage** |
| **6** | **Analyze the model calculations results.** | **Analyze stage** |
| **7** | **Finalize the results and share with stakeholders.** | **Execute Stage** |