Model Development Phase Template

Date	20 JUNE 2024
Team ID	739689
Project Title	Human Resource Management:Predicting Employee Promotions Using Ml
Maximum Marks	4 Marks

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:

Paste the screenshot of the model training code

Model Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix
Decision tree classifier		93%	

| Random Forest Classifier | Classification report
              precision   recall f1-score   support

           0   0.95   0.94   0.94   15065
           1   0.94   0.95   0.94   15019

    accuracy   0.94   30084
...
    accuracy   0.86   30084
   macro avg   0.87   0.86   0.86   30084
weighted avg   0.87   0.86   0.86   30084 | 94% | Confusion matrix
[[14169   896]
 [776 14243]] |