



## **Model Development Phase Template**

Date	10 June 2024
Team ID	739640
Project Title	Work Force Retention System
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:**

## **Model Validation and Evaluation Report:**

Model	Classification Report	Accuracy	Confusion Matrix
Logistic Regression	[] * Classification Report for Training Data Logistic Regression  [] print(classification_report(y_train,y_train_pred))	77.93	<pre>     confusion_matrix(y_test,y_test_pred)     array([[2140, 154],</pre>





Random Forest	print(classification_report(	ecall f1-score support  0.99 0.99 2294  0.95 0.97 706  0.99 3000  0.98 3000	98.6	#Confusion Matrix For Training Data With Random Forest Class  confusion_matrix(y_test, y_test_pred)  array([[2280, 14],