



## **Model Development Phase**

Date	15 July 2024	
Team ID	740091	
Project Title	Thyroid Classification 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:**





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

Model	Classification Report		Accuracy	Confusion Matrix
Random forest Classifier	print(classification_report(y_tes) precision compensated hypothyroid	n recall f1-score support  1 0.88 0.86 24  0 1.00 1.00 893  0.99 917  0.94 0.93 917	99.86%	<pre>confusionMatrix = confusion_matrix(y_train,x_pred) print("Confusion Matrix:",confusionMatrix)  Confusion Matrix: [[3534 0]</pre>