



Model Development Phase

Date	3 July 2024	
Team ID	740011	
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>