

## Model Development Phase Template

Date	09 July 2024
Team ID	739734
Project Title	Evolving efficient classification patterns in Lymphography
Maximum Marks	6 Marks

### Model Selection Report

In the forthcoming Model Selection Report, various models will be outlined, detailing their descriptions, hyperparameters, and performance metrics, including Accuracy or F1 Score. This comprehensive report will provide insights into the chosen models and their effectiveness.

### Model Selection Report:

Model	Description	Hyperparameters	Performance Metric
Random Forest	Ensemble of decision trees; robust, handles complex relationships, reduces overfitting, and provides feature importance for lymphography classification.	-	Accuracy = 83%
Decision Tree	Simple tree structure; interpretable, captures non-linear relationships, suitable for initial insights into lymphography patterns.	-	Accuracy = 83%