Model Development Phase Template

Date	12 JULY 2024
Team ID	740036
Project Title	Lymphography Classification Using ML
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	Description	Hyperparameters	Performance Metric (e.g., Accuracy, F1 Score)
SVM	In lymphography classification, SVM can efficiently handle the high-dimensional data typical of medical records.	-	Accuracy score = 80%
Decision Tree	Decision Trees can model complex decision-making processes in lymphography, accommodating both numerical and categorical data from imaging features.	-	Accuracy score = 80%
KNN	k-NN can classify lymphographic images by comparing new	-	Accuracy score = 83%

	Records to previously seen records ,identifying similar patterns in the lymphatic structures.		
Gradient Boosting	Gradient Boosting can handle complex relationships in lymphographic data, providing high accuracy and robustness	-	Accuracy score = 83%