

Model Development Phase Template

Date	15 March 2024
Team ID	SWTID1720014456
Project Title	Thyroid Classification
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	Random Forest is an ensemble method for classification and regression that builds multiple decision trees using random subsets of data and features. It combines the predictions from these trees to improve accuracy and reduce overfitting. For classification, it uses majority voting; for regression, it averages the predictions. It's known for its robustness, accuracy, and ability to assess feature importance.	Hyperparameters is not used	Accuracy : 93.07901907356948% F1 score(weighted avg) : 0.93