

## Model Development Phase Template

Date	15 March 2024
Team ID	739647
Project Title	Predicting co2 emissions by countries using machine learning
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 (e.g., Accuracy, F1 Score)
Random Forest Regressor	Ensemble of decision trees; robust, handles complex relationships, reduces overfitting, and provides feature importance for predicting co2 emissions	-	98%