

Model Development Phase Template

Date	13 June 2024
Team ID	739864
Project Title	Online payments fraud detection using ML
Maximum Marks	6 Marks

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)
		Maximum depth	Accuracy:99% F1 Score:0.87
Random forest classifier			
		max depth, min samples split	
Decision tree classifier	Random forest is an ensemble learning method that constructs multiple decision trees and merges them to get a more accurate and stable prediction		Accuracy:99% F1 Score:0.87
	It splits the data into subsets based on the value of input features, leading to a tree like model of decisions		
Extra tree classifier	Is an ensemble learning method that builds multiple decorrelated decision trees and merges their predictions	max features, min samples split	Accuracy:99% F1 Score:0.83