

## Model Development Phase Template

Date	15 July 2024
Team ID	739668
Project Title	Octagon Oracle: Machine Learning-Powered UFC FIGHT FORECAST
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)
RandomForestClassifier	The RandomForestClassifier is an ensemble learning method that builds multiple decision trees and merges them together to get a more accurate and stable prediction.	Hyperparameters Not used	99.45%
DecisionTreeClassifier	The DecisionTreeClassifier is a simple, intuitive model that splits the data into subsets based on the feature values to make predictions.	Hyperparameters Not used	99.72%