Model Development Phase Template

Date	15 MARCH 2024
Team ID	LTVIP2024TMID25011
Project Title	Early Prediction Of Chronic Kidney Disease 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)
KNN	Classifies based on nearest neighbors; adapts well to data patterns, effective for local variations in loan approval criteria.	---	ACCURACY LEVEL=100.0%
SVM	SVM is a powerful supervised	---	ACCURACY LEVEL=81.25%

	algorithm that works best on smaller datasetsbut on complexones.		
LOGISTIC REGRESSION	Logistic regression is a supervised machine learning algorithm that accomplishe sbinary classification tasks by predicting the probability of an outcome, event, or observation	---	ACCURACY LEVEL=96.88%
NAIVE BAYES	The Naïve Bayes classifier is a supervised machine learning algorithm that isused for classification tasks such as text classification	---	ACCURACY LEVEL=100.0%
RANDOM CLASSIFIER	The Random classifier is a machine learning algorithm often used to comparison purposes to evaluate how classifiers are performing	---	ACCURACY LEVEL=100.0%