

Model Development Phase Template

| | |
|---------------|---|
| Date | 09 JULY 2024 |
| Team ID | SWTID1720174514 |
| 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=97.5% |
| SVM | SVM is a powerful supervised | --- | ACCURACY LEVEL=97.5% |

| | | | |
|---------------------|---|-----|----------------------|
| | algorithm that works best on smaller datasets but on complex ones. | | |
| LOGISTIC REGRESSION | Logistic regression is a supervised machine learning algorithm that accomplishes binary classification tasks by predicting the probability of an outcome, event, or observation | --- | ACCURACY LEVEL=97.5% |
| NAIVE BAYES | The Naïve Bayes classifier is a supervised machine learning algorithm that is used for classification tasks such as text classification | --- | ACCURACY LEVEL=97.5% |