**Project Development Phase**

**Model Performance Test**

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| Date | 19 November 2022 |
| Team ID | PNT2022TMID48683 |
| Project Name | Early Detection of Chronic Kidney Disease using Machine Learning |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:** MAE - 14.44, MSE -334.4, RMSE - 23.672769166280485, R2 score --1.3730317894793895  **Classification Model:** Accuracy Testing Score-99%, Training Score-99%, Classification Report – Unsupervised learning algorithm |  |
|  | Tune the Model | Hyperparameter Tuning –PCA\_Compound, Clustering  Validation Method – SVM\_RBF, SVM\_Poly2, SVM\_Poly3, Weighted 3NearestNeighbours, Weighted 8NearestNeighbours, Weighted 15NearestNeighbours, Native Bayes, Logistic Regression, Random Forest, Decision Tree |  |