**Project Development Phase**

**Model Performance Test**

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| Date | 22 October 2023 |
| Team ID | PNT2023TMID PNT2022TMID592061 |
| Project Name | River Water Quality Forecasting Using Machine Learning |
| Maximum Marks | 10 Marks |

**Model Performance Testing:**

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
| 1. | Metrics | **Regression Model:** NaN  **Classification Model:** accuracy\_score,  confusion\_matrix,  classification\_report,  roc\_auc\_score,  roc\_curve | **Classification Model Screenshot:** |
| 2. | Tune the Model | **Hyperparameter Tuning:**  RandomizedSearchCV  **Validation Method:** train\_test\_split | **Hyperparameter Tuning Screenshot:**    **Validation Method Screenshot:** |