**Project Development Phase**

**Model Performance Test**

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| Date | 13 May 2023 |
| Team ID | PBL-NT-GP-5215-1680777299 |
| Project Name | smart billing system for water suppliers |

**Model Performance Testing:**

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

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| **S.No.** | **Parameter** | **Values** | **Screenshot** |
|  | Metrics | **Regression Model:** MAE - , MSE - , RMSE - , R2 score -  **Classification Model:** Confusion Matrix - , Accuray Score- & Classification Report - | Physico-chemical indicators are the traditional 'water quality' indicators that most people are familiar with. They include dissolved oxygen, pH, temperature, salinity and nutrients (nitrogen and phosphorus). They also include measures of toxicants such as insecticides, herbicides and metals. |
|  | Tune the Model | Hyperparameter Tuning -  Validation Method - | **Designing a water supply system involves getting all of these elements right so that clean water is delivered to the user at the appropriate rate and temperature.** |