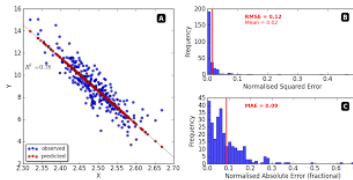


Project Development Phase
Model Performance Test

| | |
|---------------|---|
| Date | 10 February 2026 |
| Team ID | LTVIP2026TMIDS56025 |
| Project Name | Exploratory analysis of rain fall data in india for agriculture |
| Maximum Marks | 10 Marks |

Model Performance Testing:
Project team shall fill the following information in model performance testing template.

| S.No. | Parameter | Values | Screenshot |
|-------|----------------|---|---|
| | Metrics | Regression Model: MAE - , MSE - , RMSE - , R2 score - |  |
| | | Classification Model: Confusion Matrix - , Accuray Score- & Classification Report - Hyperparameter Tuning - | |
| | Tune the Model | Validation Method - | <pre>255) predictions2 = forest.predict(X_test_max) from sklearn.metrics import classification_report, confusion_matrix print(classification_report(y_test_max, predictions2)) precision recall f1-score support 0 0.61 0.83 0.70 4911 1 0.77 0.39 0.52 3911 accuracy 0.72 0.71 0.70 weighted avg 0.72 0.71 0.70 259) print(confusion_matrix(test_max, predictions2)) [[4824 1718] [4053 5598]]</pre> |