## Project Development Phase Model Performance Test

Date	19 May 2023
Team ID	NM2023TMID01575
Project Name	A Reliable Energy Consumption Analysis System for Energy-Efficient Appliances

## **Model Performance Testing:**

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

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score -	→ Testing Model With Multiple Evaluation Metrics
	Classification Model: Confusion Matrix - , Accuray Score- & Classification Report -	Confusion Matrix - , Accuray Score- &	LINEAR
			<pre> [51] 1 print('MAE:' , metrics.mean_absolute_error(y_test, predictions)) 2 print('MSE:', metrics.mean_squared_error(y_test, predictions)) 3 print('RMSE:' , np.sqrt(metrics.mean_squared_error(y_test, predictions))) 4 print('RSquarevalue:' , metrics.r2_score (y_test, predictions))) </pre>
			MAE: 0.027436181632289502 MSE: 0.0018080813899058466 RMSE: 0.042521540304954225 RSquarevalue: 0.9983866044361693

