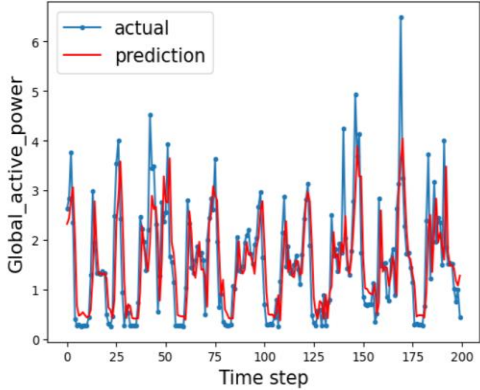


Project Development Phase Model Performance Test

Date	13 May 2023
Team ID	NM2023TMID21277
Project Name	Project - 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 – Linear Regression	MAE: 0.028166653709573594 MSE: 0.0019182811907734647 RMSE: 0.04379818707176662 RSquarevalue: 0.9984900811880753
		Time Series Regression Model: LSTM For time series analysis	
2	Other models trained	Random Forest model Evaluation	MAE: 0.02125336923687959 MSE: 0.0013550051990774547 RMSE: 0.036810395258370356 RSquarevalue: 0.9989334473745645
		Ridge Forest model Evaluation	MAE: 0.02816670284006896 MSE: 0.001918282201835233 RMSE: 0.043798198614043854 RSquarevalue: 0.9984900803922476

		# XGBRegressor model Evaluation	MAE: 0.020945526682806907 MSE: 0.001209749856950687 RMSE: 0.03478145852247555 RSquarevalue: 0.9990477808594909
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