Project Development Phase Model Performance Test

Date	09 November 2023	
Team ID	Team-592545	
Project Name	Garment worker productivity prediction	
Maximum Marks	10 Marks	

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: RMSE score	Linear Regression Model #training score predict_train = lr.predict(X_train) mse = mean_squared_error(y_train, predict_train) rmse_lr_train = np.sqrt(mse) print('Root Mean Squared Errore:', rmse_lr_train) #testing score predict_test = lr.predict(X_test) mse = mean_squared error(y_test, predict_test) rmse_lr_test = np.sqrt(mse)
			Decision Tree Regressor Model #training score predict_train_dtr - dtr.predict(X_train)
			mse = mean_squared_error(y_train, predict_train_dtr) rmse_dtr_train = np.sqrt(mse) print('Root Mean Squared_Error:', rmse_dtr_train) #testing_score predict_test_dtr = dtr.predict(X_test) mse = mean_squared_error(y_test, predict_test_dtr) rmse_dtr_test = np.sqrt(mse) print('Root Mean Squared Error:', rmse_dtr_test) Random Forest Regressor
			### ### ##############################
			Gradient Boosting Regressor Model
			<pre>straining score predict_train_gbr = gbr.predict(X_train) mse = mean_squared_error(y_train, predict_train_gbr) rmse_gbr_train = np.sqrt(mse) print('Root Mean Squared Error:', rmse_gbr_train) #testing score predict_test_gbr = gbr.predict(X_test) mse = msan_squared_error(y_test_predict_test_gbr) rmse_gbr_test = np.sqrt(mse) print('Root Mean Squared Error:', rmse_gbr_test)</pre>

