

Date	15 March 2024
Team ID	738303
Project Title	Machine Learning Approach For Emoloyee Performance Prediction
Maximum Marks	10 Marks

Performance Metrics Comparison Report (2 Marks):

Model	Baseline Metric	
Linear Regression	MSE on training data:	
	0.021859144447999808	
	MSE on testing data:	
	0.021422703448141997	Optimized Metric
Random Forest	MSE on training data:	
	0.0022469676486487613	
XGBoost	Regression MSE on testing data:	
	0.012033639615281413	After optimization, we could see improvements in R2 score and mean squared error, indicating a better fit to the data.
Regression: MSE on	MSE on training data:	
	0.0034479208767329884	
	Regression MSE on testing data:	
	0.013391620879678592	After optimization, R2 score and mean squared error may see improvements, indicating better generalization and fit to the data.
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After optimization, R^2 score and mean squared error may see improvements, indicating better generalization and fit to the data.