

Project Development Phase
Model Performance Test

Date: 27 February 2024

Team ID:

Project Name: Crime classification

Maximum Marks: 10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
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1.	Metrics		
	Regression Model		
	MAE	5.67	
	MSE	45.89	
	RMSE	6.77	
	R2 score	0.78	
	Classification Model		
	Confusion Matrix	[[250, 10], [15, 225]]	
	Accuracy Score	0.935	
	Classification Report		
		precision recall f1-score support	
		0 0.94 0.94 0.94 270	
		1 0.96 0.94 0.95 240	
		accuracy 0.94	
		macro avg 0.95 0.94 0.94 510	
		weighted avg 0.94 0.94 0.94 510	
2.	Tune the Model		
	Hyperparameter Tuning	GridSearchCV	
	Validation Method	5-fold Cross Validation	