

Project Development Phase

Model Performance Test

Date	20 March 2025
Team ID	LTVIP2025TMIFD25088
Project Name	CRM Application for jewel Management
Maximum marks	

Model Performance Testing:

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

S.NO	Parameter	Values	Screenshot									
1	Metrics	<b>Regression Model:</b> MAE - , MSE - , RMSE - , R2 score -	<b>Regression Metrics:</b> <b>MAE: 0.500</b> <b>MSE: 0.375</b> <b>RMSE: 0.612</b> <b>R<sup>2</sup> Score: 0.949</b>									
2	Metrics	<b>Classification Model:</b> Confusion Matrix - , Accuray Score- & Classification Report -	<div>Confusion Matrix Accuracy: 0.70</div> <table><caption>Confusion Matrix Data</caption><tr><th>True Label \ Predicted Label</th><th>0</th><th>1</th></tr><tr><th>0</th><td>3</td><td>1</td></tr><tr><th>1</th><td>2</td><td>4</td></tr></table>	True Label \ Predicted Label	0	1	0	3	1	1	2	4
True Label \ Predicted Label	0	1										
0	3	1										
1	2	4										

3	Tune the Model	Hyperparameter Tuning - Validation Method -	<b>Hyperparameter Tuning:</b> <b>Best Parameters: {'max_depth': 5, 'n_estimators': 10}</b>
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