

Project Development Phase Model Performance Test

Date	28 june 2025
Team ID	LTVIP2025TMID42539
Project Name	Book Nest
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	<p>Regression Model (Used for predicting book ratings): MAE – 0.35 MSE – 0.18 RMSE – 0.42 R² Score – 0.87</p> <p>Classification Model (Used for genre classification / reader type categorization): Confusion Matrix – <i>(provided in screenshot)</i> Accuracy Score – 91.2% Classification Report – Precision: 90%, Recall: 92%, F1-Score: 91%</p>	<p>The screenshot displays two bar charts. The top chart, titled 'Regression Metrics for Rating Prediction', shows four bars: MAE (0.35), MSE (0.18), RMSE (0.42), and R² (0.87). The bottom chart, titled 'Classification Metrics', shows three bars: Precision (90%), Recall (92%), and F1-Score (91%).</p>
2.	Tune the Model	Hyperparameter Tuning - 20% Validation Method - 80%	