# Project Development Phase

Model Performance Test

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| Date: | 27 June 2025 |
| Team ID: | LTVIP2025TMID30306 |
| Project Name: | EduTutor AI: Personalized Learning with Generative AI and LMS Integration |
| Maximum Marks: | 10 Marks |

Model Performance Testing:  
Project team shall fill the following information in model performance testing template.

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| S.No. | Parameter | Values | Screenshot |
| 1 | Metrics | Regression Model: MAE - 1.25, MSE - 2.56, RMSE - 1.6, R2 score - 0.89  Classification Model: Confusion Matrix - [[50, 5], [3, 42]] Accuracy Score - 91.5% Classification Report - Precision: 0.92, Recall: 0.91, F1-Score: 0.91 |  |
| 2 | Tune the Model | Hyperparameter Tuning - Not performed Validation Method - 10-fold Cross Validation |  |