# Project Development Phase

## Model Performance Test

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| Date | 10 February 2025 |
| Team ID | |  | | --- | | LTVIP2025TMID60000 | |
| Project Name | Health AI-Intelligent Healthcare Assistant Using IBM Granite |
| 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 |
| 1. | Metrics | Regression Model: MAE: 3.2 MSE: 14.5 RMSE: 3.8 R2 score: 0.87  Classification Model: Confusion Matrix: [[45, 5], [3, 47]] Accuracy: 92% Classification Report: Precision, Recall, F1 for each class |
| 2. | Tune the Model | Hyperparameter Tuning: GridSearchCV with parameter grid (learning\_rate, max\_depth) Validation Method: 5-Fold Cross Validation |