**Project Development Phase**

**Model Performance Test**

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| Date | 10 February 2025 |
| Team ID | LTVIP2025TMID60012 |
| Project Name | HealthAI: 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** | **Screenshot** |
|  | Metrics | Classification Model: Confusion Matrix - True Positives: 85, False Positives: 10, True Negatives: 87, False Negatives: 8 Accuracy Score - 0.944 Classification Report - Precision: 0.94, Recall: 0.92, F1 Score: 0.93 |  |
|  | Tune the Model | Hyperparameter Tuning - GridSearchCV with parameters such as learning\_rate, max\_depth, and n\_estimators. Validation Method - 5-fold Cross Validation |  |