**Project Development Phase**

# Model Performance Test

|  |  |
| --- | --- |
| Date | 10 February 2025 |
| Team ID | LTVIP2025TMID60000 |
| Project Name | HealthAI: Intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks |  |
|  | |

## Model Performance Testing:

|  |  |  |  |
| --- | --- | --- | --- |
| S.No. | Parameter | Values | Screenshot |
| 1. | Model Summary | Layers: Input → Dense(64 relu) → Dense(32 relu) → Output(Softmax 5 classes) |  |
| 2. | Accuracy | Training Accuracy: 96.2% Validation Accuracy: 94.7% |  |
| 3. | Fine Tuning Result (if done) | Validation Accuracy after fine-tuning: 96.1% |  |

Screenshots to insert:

1) Model Summary Screenshot - from model.summary() output

2) Accuracy Plot Screenshot - training/validation accuracy curves

3) Fine Tuning Result Screenshot - improved accuracy after tuning