# **Health AI: Intelligent healthcare Assistant Using IBM Granite**

|  |  |
| --- | --- |
| Date | 28 june 2025 |
| Team ID | LTVIP2025TMID34448 |
| Project Name | Health AI: intelligent Healthcare Assistant Using IBM Granite |
| Maximum Marks |  |

### **Test Scenarios & Results – Health AI: Intelligent Healthcare Assistant using IBM Granite**

| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| --- | --- | --- | --- | --- | --- |
| **FT-01** | Patient Info Text Input Validation (e.g., name, symptoms) | Enter valid and invalid patient info into text fields | Valid inputs accepted, error shown for invalid or missing inputs |  |  |
| **FT-02** | Numeric Input Validation (e.g., age, blood pressure, glucose level) | Enter values within and beyond valid medical ranges | Accepts valid values, shows alert or error for abnormal/out-of-range inputs |  |  |
| **FT-03** | AI Diagnosis Suggestion Generation | Input patient symptoms and health records, then click "Analyze" | AI suggests probable conditions or diagnoses accurately |  |  |
| **FT-04** | API Connection with IBM Granite Model | Test API key authentication and response from IBM Granite | Successful connection and response with valid key |  |  |
| **PT-01** | AI Response Time Test | Measure time taken to generate diagnosis from symptom input | Should respond within 3 seconds |  |  |
| **PT-02** | Concurrent API Load Handling | Send simultaneous requests for multiple patients | No significant delays; responses returned efficiently |  |  |
| **PT-03** | Health Document Upload Stress Test (e.g., PDFs of medical history) | Upload multiple medical files (PDFs, scans) | System processes files without crashing or slowing |  |  |

Bottom of Form