

Acceptance Testing UAT Execution & Report Submission

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| Date | 08 February 2026 |
| Team ID | LTVIP2026TMIDS81581 |
| Project Name | Intelligent SQL Querying with LLMs Using Gemini Pro |
| Maximum Marks | 4 Marks |

1. Purpose of Document

The purpose of this document is to summarize the User Acceptance Testing (UAT) results for the Intelli SQL project.

This report outlines:

- Test coverage
- Defect analysis
- Test case results
- System stability status
- Readiness for deployment

The document confirms that Intelli SQL meets functional, performance, and security requirements before final release.

2. Defect Analysis

This section summarizes identified defects during UAT and their resolution status.

Severity Levels:

- **Severity 1** – Critical (System crash, major functionality failure)
- **Severity 2** – High (Important feature malfunction)
- **Severity 3** – Medium (Minor issue affecting usability)
- **Severity 4** – Low (Cosmetic or enhancement issue)

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Subtotal |
|----------------|------------|------------|------------|------------|-----------|
| Fixed | 2 | 3 | 4 | 5 | 14 |
| By Design | 0 | 1 | 2 | 2 | 5 |
| Duplicate | 0 | 0 | 1 | 0 | 1 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |
| In Progress | 0 | 1 | 1 | 0 | 2 |
| Totals | 2 | 5 | 9 | 7 | 23 |

3. Test Case Analysis

This report shows the number of test cases that have passed, failed, and untested

| Section | Total Cases | Not Tested | Fail | Pass |
|------------------------------------|-------------|------------|----------|-----------|
| Natural Language to SQL Conversion | 15 | 0 | 1 | 14 |
| Query Execution & Validation | 10 | 0 | 0 | 10 |
| Dashboard & Reports | 8 | 0 | 0 | 8 |
| Security & Access Control | 5 | 0 | 0 | 5 |
| Performance Testing | 7 | 0 | 1 | 6 |
| Error Handling | 5 | 0 | 0 | 5 |
| Total | 50 | 0 | 2 | 48 |

Pass Percentage

Pass Rate = $(48 / 50) \times 100$
= **96% Success Rate**

Performance Summary

- Average Response Time: 2.8 seconds
- Accuracy Rate: 95%
- Average Confidence Score: 93%
- System Stable Under Moderate Load
- No Security Breaches Detected

Exception Reporting

During testing, the following exceptions were logged:

- Slight delay for complex multi-table JOIN queries
- Minor delay when loading large dashboard datasets

All critical defects have been resolved. Minor performance optimization is ongoing.

Final UAT Status

Core functionality validated

Security checks passed

Dashboard filters functioning correctly

Natural language query generation reliable

No open critical issues

Final Sign-Off

Tester Name: D. Thanu sree

Date: 21 February 2026

Status: Approved for Deployment

The Intelli SQL system has successfully passed User Acceptance Testing with a 96% pass rate and no critical defects. The system demonstrates high reliability, accuracy, and performance stability. It is ready for deployment with minor performance optimizations planned for future releases.