

Acceptance Testing
UAT Execution & Report Submission

Date	08 February 2026
Team ID	LTVIP2026TMIDS86338
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: Reddy Manoj Kumar

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.