

## Acceptance Testing UAT Execution & Report Submission

Date	08 February 2026
Team ID	LTVIP2026TMIDS73975
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:

- 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
<b>Totals</b>	<b>2</b>	<b>5</b>	<b>9</b>	<b>7</b>	<b>23</b>

### 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
<b>Total</b>	<b>50</b>	<b>0</b>	<b>2</b>	<b>48</b>

## **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**

**Date:** 24 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.