

Acceptance Testing
UAT Execution & Report Submission

| | |
|---------------|----------------------------------|
| Date | 16 February 2026 |
| Team ID | LTVIP2026TMIDS62350 |
| Project Name | Civil Engineering Insight Studio |
| Maximum Marks | 4 Marks |

1. Purpose of Document

The purpose of this document is to summarize the test coverage, defect status, and open issues of The purpose of this document is to summarize the test coverage, defect status, and open issues of the Civil Engineering Insight Studio at the time of release for User Acceptance Testing (UAT).

This document provides insight into:

- Functional testing coverage
- Defect resolution status
- Test case execution results
- Overall system stability before deployment

2. Defect Analysis

| Section | Total Cases | Not Tested | Fail | Pass |
|-------------------------------------|-------------|------------|------|------|
| User Interface (Streamlit UI) | 10 | 0 | 0 | 10 |
| AI Structural Analysis (Gemini API) | 12 | 0 | 1 | 11 |
| Report Formatting & Display | 8 | 0 | 0 | 8 |
| Input Validation & Error Handling | 6 | 0 | 0 | 6 |
| Performance & Response Time | 4 | 0 | 0 | 4 |
| Total | 40 | 0 | 1 | 39 |

Defect Resolution Summary

This report shows the number of resolved or closed bugs at each severity level and how they were resolved.

| Resolution | Severity 1 | Severity 2 | Severity 3 | Severity 4 | Subtotal |
|----------------|------------|------------|------------|------------|----------|
| Fixed | 2 | 3 | 4 | 3 | 12 |
| By Design | 0 | 1 | 1 | 1 | 3 |
| Duplicate | 0 | 0 | 1 | 0 | 1 |
| Not Reproduced | 0 | 0 | 1 | 0 | 1 |

| | | | | | |
|-----------|---|---|---|---|----|
| Won't Fix | 0 | 1 | 0 | 0 | 1 |
| Totals | 2 | 5 | 7 | 4 | 18 |

Severity Definitions:

- Severity 1: Critical (Application crash / API failure)
- Severity 2: Major functionality issue
- Severity 3: Minor functionality issue
- Severity 4: UI / Cosmetic issue

3. Test Case Analysis

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

| Module | Total Cases | Fail | Pass |
|---------------------------------|-------------|------|------|
| Image Upload & Validation | 8 | 0 | 8 |
| AI Structural Report Generation | 12 | 1 | 11 |
| Report Formatting & Display | 6 | 0 | 6 |
| UI Rendering & Interaction | 7 | 0 | 7 |
| Performance & Response Time | 4 | 0 | 4 |
| Error Handling | 3 | 0 | 3 |
| Total | 40 | 1 | 39 |