Functional & Performance Testing Template

Model Performance Test

Date	18 February 2026
Team ID	LTVIP2026TMIDS24197
Project Name	Civil Engineering Insight Studio
Maximum Marks	

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation (Name, Complaint Title)	Enter valid text (letters) and invalid text (special characters, empty fields)	Valid inputs accepted, error shown for empty/invalid input	Validation working correctly	Pass
FT-02	Email & Password Validation	Enter valid email format and invalid formats	Accept valid email, reject invalid email format	System validates properly	Pass
FT-03	User Registration	Fill registration form and submit	User account created and confirmation email sent	Account created successfully	Pass
FT-04	User Login	Enter correct and incorrect credentials	Login success for correct credentials, error for wrong credentials	Working correctly	Pass
FT-05	Complaint Submission	Submit complaint with required fields	Complaint stored in database and visible in dashboard	Successfully stored	Pass
FT-06	Agent Assignment	Admin assigns complaint to agent	Complaint appears in assigned agent dashboard	Assigned successfully	Pass
FT-07	Status Update	Agent updates complaint status	Status updated and visible to customer	Working properly	Pass
FT-08	Role-Based Access Control	Login as Admin, Agent, User	Each role accesses only permitted pages	Access restricted correctly	Pass

Performance Testing (PT)

Test Case ID		Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
PT-01		Response Time Test	Submit complaint and measure loading time	Page loads under 3 seconds	Avg 2.1 seconds	Pass
PT-02		Concurrent User Test	Login from multiple users simultaneously (10 users)	System handles multiple users without crash	Stable performance	Pass
PT-03		Database Load Test	Insert 100+ complaints and retrieve data	Data retrieved without delay	Retrieved smoothly	Pass
PT-04		Dashboard Load Test	Open dashboard with large data entries	Dashboard loads without freezing	Smooth performance	Pass
PT-05		File Upload Load Test (Optional feature)	Upload multiple attachments	Files uploaded without crashing	Working correctly	Pass