Functional & Performance Testing Template

Model Performance Test

Date	18 February 2026
Team ID	LTVIP2026TMIDS66291
Project Name	Civil Engineering Insight Studio
Maximum Marks	3 Marks

Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/ Fail
FT-01	Structure Topic Input Validation	Enter valid structue name and leave web browser fillingas empty	Valid input accepted, error shown for empty input	As Expected	Pass
FT-02	Data Input Validation	Enter invalid name	Accepts valid input, shows warning for invalid input	As Expected	Pass
FT-03	AI data Generation	Enter structure name and click "Describe structure"	Structured data with title, materials generated	As Expected	Pass
FT-04	Gemini API Connection Check	Trigger structure data generation with valid API key	API responds successfully and generates recipe	As Expected	Pass
PT-01	Response Time Test	Measure time after clicking generate	Structure details generated within 20 seconds	Within Limit	Pass
PT-02	Multiple Request Handling	Generate multiple structures sequentially	Application handles requests without crash	Stable	Pass
PT-03	Deployment Test	Access deployed app via browser	Application loads and works correctly online	Working	Pass