Functional & Performance Testing Template

Model Performance Test

Date	15 Feb 2026
Team ID	LTVIP2026TMIDS71823
Project Name	Gemini Pro Financial Decoder: Transforming Complex Data into Actionable Insights
Maximum Marks	4 Marks

Functional Testing – Test Scenarios & Results

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
GF-01	Financial Document Upload	Upload PDF / Excel / CSV financial files in the UI	File uploads successfully and preview is shown	As Expected	Pass
GF-02	Input File Validation	Upload unsupported or corrupted files	System rejects file with proper error message	As Expected	Pass
GF-03	Financial Data Interpretation	Upload balance sheet / income statement	System generates correct summary and key insights	As Expected	Pass
GF-04	Risk & Anomaly Detection	Upload financial data with irregular values	System highlights risks or anomalies correctly	As Expected	Pass
GF-05	Natural Language Explanation	Ask questions about uploaded financial data	System explains financial terms in simple language	As Expected	Pass
GF-06	Dashboard Visualization	View charts and trends after analysis	Visuals load correctly and reflect data	As Expected	Pass
GF-07	Multiple File Upload	Upload multiple financial documents at once	All valid files are processed successfully	As Expected	Pass
GF-08	Error Handling	Simulate API or processing failure	Error message shown without system crash	As Expected	Pass
GF-09	Report Generation	Download summary or insights report	Report downloads correctly	As Expected	Pass

GF-10	API Endpoint Functionality	Send API request with financial data	JSON response contains insights and metrics	As Expected	Pass

Performance Testing – Test Scenarios

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
PT-01	Financial Analysis Response Time	Measure time taken to generate insights	Response within 3 seconds	As Expected	Pass
PT-02	Concurrent User Load	Simulate 10+ users analyzing data simultaneously	System remains responsive	As Expected	Pass
PT-03	Large Dataset Handling	Upload large Excel financial datasets	Analysis completes without lag	As Expected	Pass
PT-04	Dashboard Load Performance	Load dashboard with multiple charts	Loads within 2–3 seconds	As Expected	Pass
PT-05	API Throughput	Send 100 API requests per minute	Stable responses without failure	As Expected	Pass
PT-06	Bulk File Upload Resilience	Upload multiple large reports together	Uploads complete without crash	As Expected	Pass