

Functional & Performance Testing Template

Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID30306
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
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	Student Query Input Validation	Enter various student-level questions (valid, irrelevant, blank)	Accepts relevant questions, shows error for blanks/irrelevant	Accepted valid questions ; displayed error for blank/irrelevant entries	<input checked="" type="checkbox"/> Pass
FT-02	Topic Selection Filtering	Choose academic topics from dropdown, search for invalid topics	Filters valid topics, shows "not found" for invalid ones	Filtered correct topics; displayed "Not Found" for invalid topics	<input checked="" type="checkbox"/> Pass
FT-03	Personalized Content Generation	Input topic, grade level, learning goal, click Generate	Returns tailored tutoring material (quiz/video/explainer)	Generated customized content including quizzes and	<input checked="" type="checkbox"/> Pass

				videos as per input	
FT-04	LMS Integration Check	Sync with LMS (e.g., Moodle), test login, course fetch	Successfully connects and fetches user courses	Successfully integrated with Moodle LMS; fetched user courses	<input type="checkbox"/> Pass
PT-01	Real-Time Response Test	Measure AI's reply time for question-answer session	Less than 2 seconds for each response	Response time consistently <2 seconds	<input type="checkbox"/> Pass
PT-02	Scalability under Load	Simulate 100+ concurrent students using platform	Platform remains stable, no crashes	Handled 100+ users without downtime or performance drop	<input type="checkbox"/> Pass
PT-03	File Input Handling	Upload different formats (PDF, DOCX, PPT) as input	All formats processed accurately without error	Accurately processed PDF, DOCX, and PPT files	<input type="checkbox"/> Pass