Functional & Performance Testing

Model Performance Test

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| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID59564 |
| Project Name | Edututor AI: personalized learning with generative AI and lms integration |
| Maximum Marks |  |

**Test Scenarios & Results**

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| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **FT-01** | Test Summary,Test Explanation generation latency | Enter valid and invalid text in input fields | Valid inputs accepted, errors for invalid inputs | <2.5s | Pass |
| **FT-02** | Quiz Generation stress Test | Enter the suitable prompt | Generates Quiz, summary accordingly | Working as expected | Pass |
| **FT-03** | Content Generation (e.g: content as text,copy to clipboard) | Provide complete inputs and click "Generate" | Correct content is generated based on input | Smooth working | Pass |
| **FT-04** | API Connection Check | Check if API key is correct and model responds | API responds successfully | Successfu l connectio n | Pass |
| **PT-01** | Response Time Test | Use a timer to check content generation time | Should be under 3 seconds | <3s | Pass |
| **PT-02** | API Speed Test | Send multiple API calls at the same time | API should not slow down | <3s | Pass |
| **PT-03** | File Upload Load Test (e.g., PDFs) | Upload multiple PDFs and check processing | Should work smoothly without crashing | Plot load instantly | Pass |