**Functional & Performance Testing Template**

**Model Performance Test**

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| --- | --- |
| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID35580 |
| Project Name | Project - Citizen AI – Intelligent Citizen Engagement Platform |
| 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** | Text Input Validation | |  | | --- | | Enter valid and invalid questions in Gradio textbox |  |  | | --- | |  | | Accept valid queries, show prompt for empty/invalid input | Valid questions accepted; empty input handled | Pass |
| **FT-02** | Number Input Validation | Ask numerical queries (e.g., "How many days for license approval?") | |  | | --- | | Interprets numbers correctly, responds appropriately |  |  | | --- | |  | | |  | | --- | | Model processed number-based queries well |  |  | | --- | |  | | Pass |
| **FT-03** | Content Generation | |  | | --- | | Ask “How to apply for driving license” and observe response |  |  | | --- | |  | | |  | | --- | | Clear, relevant step-by-step response from chatbot |  |  | | --- | |  | | |  | | --- | | Received human-like, accurate answer |  |  | | --- | |  | | Pass |
| **FT-04** | API Connection Check | |  | | --- | | Load model using Hugging Face token and test query |  |  | | --- | |  | | |  | | --- | | Model responds successfully |  |  | | --- | |  | | |  | | --- | | No errors while loading or generating output |  |  | | --- | |  | | Pass |
| **PT-01** | Response Time Test | |  | | --- | | Measure time from input to output display |  |  | | --- | |  | | |  | | --- | | Should respond in under 3 seconds |  |  | | --- | |  | | |  | | --- | | 2.1 seconds average |  |  | | --- | |  | | Pass |
| **PT-02** | |  | | --- | | API Speed Test (Local Generation) |  |  | | --- | |  | | |  | | --- | | Trigger 3-5 queries back-to-back |  |  | | --- | |  | | |  | | --- | | Consistent performance, no slowdown |  |  | | --- | |  | | |  | | --- | | Maintained speed, no lag |  |  | | --- | |  | | Pass |
| **PT-03** | File Upload Load Test (e.g., PDFs) | |  | | --- | | *Not applicable (no file upload feature)* |  |  | | --- | |  | | - | - | N/A |