

## Functional & Performance Testing Template

### Model Performance Test

|               |   |
|---------------|---|
| Date          | 11 February 2026  |
| Team ID       | LTVIP2026TMIDS24199                                       |
| Project Name  | Explore with AI: Custom Itineraries for Your Next Journey |
| Maximum Marks | 5 Marks   |

#### Test Scenarios & Results

| Test Case ID | Scenario (What to test)                          | Test Steps (How to test)  | Expected Result  | Actual Result   | Pass/Fail |
|--------------|--|---|--|---|-----------|
| FT-01        | Text Input Validation (Destination, Preferences) | Enter valid destination (e.g., Paris) and leave field empty             | Accepts valid input, shows warning for empty input             | Valid inputs accepted; warning displayed for empty fields | Pass      |
| FT-02        | Number Input Validation (Budget, Duration)       | Enter budget within range (e.g., 1000–5000) and negative/invalid values | Accepts valid numbers; shows error for invalid/negative values | Valid numbers accepted; error shown for invalid input     | Pass      |
| FT-03        | Itinerary Generation                             | Fill all inputs and click “Generate Itinerary”                          | AI generates structured day-wise travel plan                   | Personalized itinerary generated successfully             | Pass      |
| FT-04        | API Connection Check                             | Use correct and incorrect API key                                       | Valid key connects; invalid key shows authentication error     | Valid key works; error displayed for invalid key          | Pass      |
| FT-05        | Prompt Structure Validation                      | Provide different themes (Adventure, Relaxation, Family Trip)           | Output changes based on selected theme                         | AI output adapts correctly to theme                       | Pass      |
| PT-01        | Response Time Test                               | Measure time after clicking “Generate”                                  | Response generated within 3–5 seconds                          | Average response time: ~2.8–3.5 seconds                   | Pass      |

|       |                        |  |  |                                  |      |
|-------|------------------------|--|--|----------------------------------|------|
| PT-02 | API Load Test          | Trigger multiple requests consecutively          | System handles multiple requests without crash | Minor delay observed, but stable | Pass |
| PT-03 | Large Input Handling   | Enter long preference descriptions               | System processes without crashing              | Handled successfully             | Pass |
| ET-01 | Error Handling Test    | Disconnect internet and try generating itinerary | Proper error message displayed                 | “Connection Error” message shown | Pass |
| UI-01 | UI Responsiveness Test | Open app on different screen sizes               | Layout adjusts properly                        | Responsive layout maintained     | Pass |