

## Functional & Performance Testing

### Model Performance Test

Date	18 February 2026
Team ID	LTVIP2026TMIDS65753
Project Name	TransLingua – AI-Powered Multi-Language Translator
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	Text Input Validation	Enter valid text and leave input empty	Valid text is accepted; empty input shows validation message	System accepts valid input and shows warning for empty input	Pass
FT-02	Language Selection Validation	Select valid source and target languages	System allows valid language selection	Language selection works correctly	Pass
FT-03	Translation Generation	Enter text, select languages, click “Translate”	Translated output is generated using Gemini AI	Correct translation is generated	Pass
FT-04	API Connection Check	Run application with valid API key	Application connects to Gemini API successfully	API response received successfully	Pass

FT-05	Invalid API Key Handling	Use incorrect API key and run application	System shows authentication error	Error message displayed properly	Pass
PT-01	Response Time Test	Measure time taken to generate translation	Translation generated within 3 seconds	Average response time under 3 seconds	Pass
PT-02	Multiple Requests Test	Perform multiple translation requests sequentially	System handles requests without crashing	Application remains stable	Pass