Functional & Performance Testing

Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID29210
Project Name	**Health AI: Intelligent Healthcare Assistant Using IBM Granite**
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 (e.g., topic, job title)	Enter valid and invalid text in input fields	Valid inputs accepted, errors for invalid inputs	Valid and invalid text handled correctly	Pass
FT-02	Number Input Validation (e.g., word count, size, rooms)	Enter numbers within and outside the valid range	Accepts valid values, shows error for out-of-range	All number inputs validated properly	Pass
FT-03	Content Generation (e.g., blog, resume, design idea)	Provide complete inputs and click "Generate"	Correct content is generated based on input	Content generated for patient chat, disease prediction, treatment plan	Pass
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API connected and functioning for all features	Pass

PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	All functionalities responded under 5 seconds	Pass
PT-02	API Speed Test	Send multiple API calls at the same time	API should not slow down	API speed maintained under load	Pass
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	Multiple file uploads tested successfully	Pass