

**Functional&PerformanceTestingTemplate**

**ModelPerformanceTest**

Date	30June2025
TeamID	LTVIP2025TMID41801
ProjectName	Artificial intelligence and machine learning
MaximumMarks	

**TestScenarios&Results**

Test Case ID	Scenario(Whatto test)	TestSteps(How to test)	ExpectedResult	Actual Result	Pass/Fail
FT-01	TextInputValidation (e.g., topic, job title)	Enter valid and invalidtextininput fields	Valid inputs accepted,errorsfor invalid inputs	Validinput accepted; invalid entries trigger appropriate errors	Pass
FT-02	Number Input Validation(e.g., word count, size, rooms)	Enter numbers withinandoutside the valid range	Acceptsvalidvalues, shows error for out-of-range	Valid action works correctly; errors shownas expected	Pass
FT-03	ContentGeneration (e.g.,blog,resume, design idea)	Providecomplete inputs and click "Generate"	Correct content is generatedbasedon input	Content generatio nmatches input criteria	Pass
FT-04	APIConnection Check	CheckifAPIkeyis correct and model responds	APIresponds successfully	API responds successfully with validkey;f ails with invalid	Pass

<b>PT-01</b>	ResponseTimeTest	Use a timer to check content generationtime	Shouldbeunder3 seconds	Avarage response time :2.6 seconds	Pass
<b>PT-02</b>	APISpeedTest	SendmultipleAPI calls at the same time	APIshouldnotslow down	Stable response across request ; minor fluctuation	Pass
<b>PT-03</b>	FileUploadLoadTest (e.g., PDFs)	Upload multiple PDFsandcheck processing	Should work smoothlywithout crashing	All files processed ;nocrash or memory issues	Pass