Functional & Performance Testing Template

Model Performance Test

Date	19 February 2026
Team ID	LTVIP2026TMIDS40157
Project Name	HematoVision: Advanced Blood Cell Classification Using Transfer Learning
Maximum Marks	10 Marks

Test Scenarios & Results – HematoVision Blood Cell

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Image Upload Validation	Upload valid image (JPG/PNG) and invalid file (PDF/TXT)	Valid inputs accepted, errors shown for invalid/non-numeric inputs	–	–
FT-02	Image Preprocessing	Upload image and check resizing & normalization	API responds successfully with temperature, humidity, pressure, wind speed	–	–
FT-03	Prediction Output	Upload valid blood smear image and click "Predict"	Correct energy output is generated by ML model	–	–
FT-04	Error Handling	Upload empty input / corrupted image	Application shows "Invalid Input" message	–	–
PT-01	Response Time Test	Measure time taken after clicking predict	Prediction should be generated in under 3 seconds	–	–