FUnctional & Performance Testing Template

Model Performance Test

Date	21 February 2025
Team ID	LTVIP2025TMID34941
Project Name	Disease Recognition in Chickens
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., image label entry)	Enter valid and invalid disease labels or form fields	Valid inputs accepted; errors shown for empty or invalid values	Error messages shown for invalid input; valid entries accepted	✅ Pass
FT-02	Number Input Validation (e.g., batch size, epochs)	Enter values like 0, -5, 1000 in training fields	Accepts values within valid range; errors for invalid inputs	Error messages shown for invalid range inputs	✅ Pass
FT-03	Image Upload and Classification	Upload clear image of chicken feces and click "Detect Disease"	Correct disease label shown with confidence score	Image processed; predicted as "Coccidiosis" with 92% accuracy	✅ Pass
FT-04	API Connection Check	Run model API and send test POST request with image	Returns JSON response with label and probability	API responded with status 200 and correct prediction	✅ Pa

					Status
PT-01	Response Time Test	Measure time from image upload to prediction	Should be under 3 seconds	Average response time: 2.3 seconds	✅ Pass
PT-02	API Speed Test	Send 10 simultaneous API requests using Postman or script	All requests served successfully without significant delay	All 10 requests responded within 2.8 seconds	✅ Pass
PT-03	File Upload Load Test	Upload 20 images in a single session	All images processed without crash or lag	System handled batch upload successfully	✅ Pass