# Functional & Performance Testing Template

**Model Performance Test**

|  |  |
| --- | --- |
| Date | 27 June 2025 |
| Team ID | LTVIP2025TMID59799 |
| Project Name | HematoVision – Advanced Blood Cell Classification Using Transfer Learning |
| Maximum Marks | 4 |

**Test Scenarios & Results**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Test Case ID** | **Scenario (What to test)** | **Test Steps (How to test)** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **FT-01** | Image Input Validation | Upload valid and invalid image files | Valid images processed, invalid ones rejected | Valid processed, invalid rejected | Pass |
| **FT-02** | Model Prediction | Upload blood cell image and get result | Returns one of the 4 classes | Returned 'neutrophil' | Pass |
| **FT-03** | Result Page Rendering | Submit image via upload and check result page | Displays predicted cell type + image | Displayed correctly | Pass |
| **PT-01** | Response Time Test | Measure model response time | Should be under 3 seconds | 2.1 seconds | Pass |
| **PT-02** | Concurrent Upload Test | Upload 2–3 images quickly one after another | All should process without crash | All succeeded | Pass |
| **PT-03** | UI Stability Check | Refresh/Go back and test repeated uploads | UI should remain functional | UI stable throughout | Pass |