

User Acceptance Testing (UAT) Template

Hematovision Blood Cell Classification Using Transfer Learning

Field Details

Field	Value
Date	June 29, 2025
Team ID	LTVIP2025TMID46346
Project Name	Hematovision - Blood Cell Classification Using Transfer Learning
Maximum Marks	_____

Project Overview:

Project Name: Hematovision - Blood Cell Classification Using Transfer Learning

Project Description: AI-powered medical diagnostic system for automated classification of blood cell types (Eosinophil, Lymphocyte, Monocyte, Neutrophil) using deep learning transfer learning techniques to assist laboratory technicians and pathologists in accurate blood cell analysis.

Project Version: v1.0

Testing Period: June 29, 2025 to July 5, 2025

Testing Scope:

Features and Functionalities to be Tested:

- Blood cell image upload and preprocessing
- ML model classification accuracy for all four cell types
- Real-time classification results display
- Confidence score validation and thresholding
- Batch processing capabilities
- User role management (Lab Technician, Pathologist, Admin)
- Dashboard analytics and reporting
- Data export functionality
- Integration with laboratory information systems

User Stories/Requirements to be Tested:

- As a lab technician, I can upload blood cell images and receive accurate classifications
- As a pathologist, I can review low-confidence classifications and provide corrections
- As an admin, I can monitor system performance and user activities

- As a user, I can view historical classification data and trends
- As a lab manager, I can generate reports on classification accuracy and throughput

Testing Environment:

**URL/Location:*