

Project Development Phase
Model Performance Test

Date	14 February 2026
Team ID	LTVIP2026TMIDS55747
Project Name	Hematovision: Advanced Blood Cell Classification Using Transfer Learning
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Classification Model: Accuracy Score: 94.8%; Classification Report: High precision/recall for all 4 cell types; Confusion Matrix: Minimal misclassification between Monocytes and Neutrophils.	
2.	Tune the Model	Hyperparameter Tuning: Optimized Adam optimizer learning rate; Validation Method: 80/20 Train-Test split with pre-augmentation.	