

**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	<b>Classification Model:</b> 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	<b>Hyperparameter Tuning:</b> Optimized Adam optimizer learning rate; <b>Validation Method:</b> 80/20 Train-Test split with pre-augmentation.	