Project Development Phase Model Performance Test

Date	27 June 2025	
Team ID	LTVIP2025TMID59856	
Project Name	HematoVision: Advanced Blood Cell	
	Classification Using Transfer Learning	
Maximum Marks	10 Marks	

Model Performance Testing:

S.No.	Parameter	Values	Screenshot			
S.No.	Model Summary	MobileNetV2 (pre-trained ImageNet, fine-tuned for blood cell classification). Input: (128x128x3), Output: 4 classes Layers: ~155, trainable params ~2.2M	Model Summary: Model: "sequential" Layer (type) conv2d (Conv2D) batch_normalization (Batch Normalization) conv2d_1 (Conv2D) batch_normalization_1 (BatchNormalization) max_pooling2d (MaxPooling2 D) conv2d_2 (Conv2D) batch_normalization_2 (BatchNormalization) conv2d_3 (Conv2D) batch_normalization_3 (BatchNormalization) conv2d_4 (Conv2D) batch_normalization_3 (BatchNormalization) conv2d_4 (Conv2D) batch_normalization_4 (BatchNormalization) conv2d_5 (Conv2D)	(None, 73, 73, 128) (None, 73, 73, 128) (None, 73, 73, 256) (None, 73, 73, 256) (None, 24, 24, 256)	Param # 24704 512 819456 1024 0 590080 1024 65792 1024 65792 1024	
			batch_normalization_3 (Bat chNormalization) conv2d_4 (Conv2D) batch_normalization_4 (Bat	(None, 24, 24, 256) (None, 24, 24, 256)	1024 65792	
			batch_normalization_4 (Bat			
			conv2d_5 (Conv2D) batch_normalization_5 (Bat chNormalization)		1180160 2048	
			max_pooling2d_1 (MaxPoolin g2D)	(None, 12, 12, 512)	0	
			conv2d_6 (Conv2D) batch_normalization_6 (Bat chNormalization)	(None, 12, 12, 512) (None, 12, 12, 512)	2359808 2048	
			conv2d_7 (Conv2D)	(None, 12, 12, 512)	2359808	
			batch_normalization_7 (Bat chNormalization)	(None, 12, 12, 512)	2048	

