Project Development Phase Model Performance Test

Date	27 June 2025	
Team ID	LTVIP2025TMID59888	
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 (MaxPooling2D) conv2d_2 (Conv2D) batch_normalization_2 (BatchNormalization) conv2d_3 (Conv2D) batch_normalization_3 (BatchNormalization) conv2d_4 (Conv2D) batch_normalization_4 (BatchNormalization) conv2d_5 (Conv2D) batch_normalization_5 (BatchNormalization) conv2d_5 (Conv2D) batch_normalization_5 (BatchNormalization) max_pooling2d_1 (MaxPooling2D)	(None, 73, 73, 128) (None, 73, 73, 128) (None, 73, 73, 256) (None, 73, 73, 256) (None, 24, 24, 2512)	Param # 24704 512 819456 1024 0 590080 1024 65792 1024 1180160 2048 0
1		ImageNet, fine-tuned for blood cell classification). Input: (128x128x3), Output: 4 classes Layers: ~155,	chNormalization) conv2d_4 (Conv2D) batch_normalization_4 (Bat chNormalization) conv2d_5 (Conv2D) batch_normalization_5 (Bat	(None, 24, 24, 256) (None, 24, 24, 256) (None, 24, 24, 512)	65792 1024 1180160
			max_pooling2d_1 (MaxPoolin	(None, 12, 12, 512)	e 2359808
			batch_normalization_6 (Bat chNormalization)		2048
			<pre>conv2d_7 (Conv2D) batch_normalization_7 (Bat chNormalization)</pre>	(None, 12, 12, 512) (None, 12, 12, 512)	2359808 2048

