Project Development Phase Model Performance Test

Date	26 JUNE 2025	
Team ID	LTVIP2025TMID39901	
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 Model Summary	Values	Screenshot		
1.		Total params: 3,573,828 Trainable	Layer (type) Output Shape Param #		
		params: 3,177,284 Non-trainable params: 396,544	mobilenetv2_1.00_224 (Functional) (None, 7, 7, 1280) 2,257,984		
			global_average_pooling2d (Mone, 1280) 0 (GlobalAveragePooling2D)		
			dropout (Dropout) (None, 1280) 0		
			dense (Dense) (None, 1024) 1,311,744		
			dropout_1 (Dropout) (None, 1024) 0		
			dense_1 (Dense) (None, 4) 4,100		
			Total params: 3,573,828 (13.63 MB)		
			Trainable params: 3,177,284 (12.12 MB)		
			Non-trainable params: 396,544 (1.51 MB)		
2.	Accuracy	Training Accuracy – 94.58	precision recall f1-score support		
		Validation Accuracy -97.5	EOSINOPHIL 0.89 1.00 0.94 713 LYMPHOCYTE 1.00 1.00 1.00 731 MONOCYTE 0.99 1.00 0.99 762 NEUTROPHIL 1.00 0.87 0.93 782 accuracy 0.97 2988		
			macro avg 0.97 0.97 2988 weighted avg 0.97 0.97 0.96 2988 Accuracy of the model 96.5%		
3.	Fine Tunning Result(if Done)	Validation Accuracy -97.5	1/897 - 5-49:19 380/step - accuracy: 0.2500 - loss: 2.2116 18000 60:00:1751000065.071240		