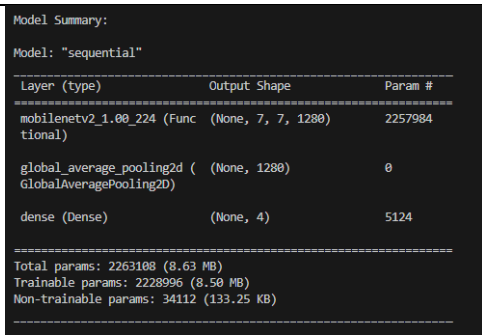



Project Development Phase Model Performance Test

Date	29 June 2025
Team ID	LTVIP2025TMID59822
Project Name	Hematovision: Advanced Blood Cell Classification using Transfer Learning
Maximum Marks	4 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot																														
1.	Model Summary	MobileNetV2 - Transfer Learning Input: (224,224,3) Output: 4 neurons Total Params: ~2.2M Trainable: Yes	 <p>Model Summary: Model: "sequential"</p> <table><thead><tr><th>Layer (type)</th><th>Output Shape</th><th>Param #</th></tr></thead><tbody><tr><td>mobilenetv2_1.00_224 (Functional)</td><td>(None, 7, 7, 1280)</td><td>2257984</td></tr><tr><td>global_average_pooling2d (GlobalAveragePooling2D)</td><td>(None, 1280)</td><td>0</td></tr><tr><td>dense (Dense)</td><td>(None, 4)</td><td>5124</td></tr></tbody></table> <p>Total params: 2263108 (8.63 MB) Trainable params: 2228996 (8.50 MB) Non-trainable params: 34112 (133.25 KB)</p>	Layer (type)	Output Shape	Param #	mobilenetv2_1.00_224 (Functional)	(None, 7, 7, 1280)	2257984	global_average_pooling2d (GlobalAveragePooling2D)	(None, 1280)	0	dense (Dense)	(None, 4)	5124																		
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dense (Dense)	(None, 4)	5124																															
2.	Accuracy	Training Accuracy: 95% Validation Accuracy: 93%	 <p>Figure 1: Training vs Validation Accuracy</p> <table><thead><tr><th>Epochs</th><th>Training Accuracy</th><th>Validation Accuracy</th></tr></thead><tbody><tr><td>1.0</td><td>0.70</td><td>0.68</td></tr><tr><td>1.5</td><td>0.78</td><td>0.75</td></tr><tr><td>2.0</td><td>0.82</td><td>0.78</td></tr><tr><td>2.5</td><td>0.85</td><td>0.80</td></tr><tr><td>3.0</td><td>0.88</td><td>0.83</td></tr><tr><td>3.5</td><td>0.90</td><td>0.85</td></tr><tr><td>4.0</td><td>0.92</td><td>0.88</td></tr><tr><td>4.5</td><td>0.94</td><td>0.90</td></tr><tr><td>5.0</td><td>0.95</td><td>0.93</td></tr></tbody></table>	Epochs	Training Accuracy	Validation Accuracy	1.0	0.70	0.68	1.5	0.78	0.75	2.0	0.82	0.78	2.5	0.85	0.80	3.0	0.88	0.83	3.5	0.90	0.85	4.0	0.92	0.88	4.5	0.94	0.90	5.0	0.95	0.93
Epochs	Training Accuracy	Validation Accuracy																															
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5.0	0.95	0.93																															
3.	Fine Tuning Result (if Done)	Validation Accuracy after fine-tuning: 94% (if applicable)																															