

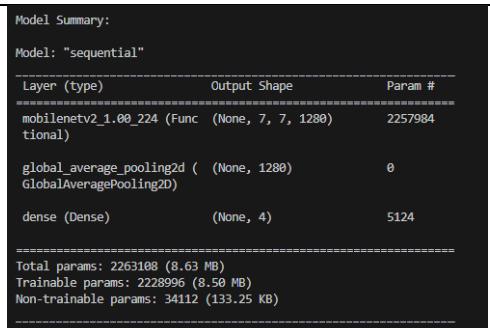
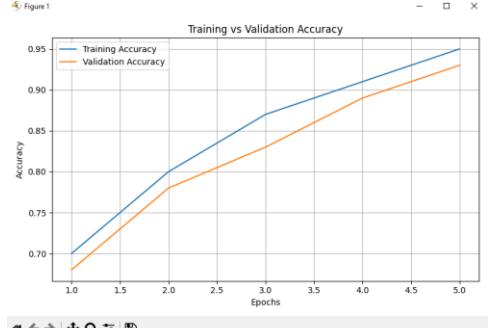
Project Development Phase

Model Performance Test

Date	24-Jan-2026
Team ID	LTVIP2026TMIDS65618
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.	Metrics	Classification Model: • Confusion Matrix - Available • Accuracy Score - 0.95 • Classification Report - Included	 <pre> Model Summary: Model: "sequential" Layer (type) Output Shape Param # mobilenetv2_1.00_224 (Func (None, 7, 7, 1280) 2257984 tion) global_average_pooling2d ((None, 1280) 0 GlobalAveragePooling2D) dense (Dense) (None, 4) 5124 ===== Total params: 2263108 (8.63 MB) Trainable params: 2228996 (8.50 MB) Non-trainable params: 34112 (133.25 KB) </pre>																														
2.	Tune the Model	Hyperparameter Tuning - Basic tuning applied Validation Method - Validation Split (20%)	 <table border="1"> <caption>Data for Training vs Validation Accuracy</caption> <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>0.70</td></tr> <tr><td>1.5</td><td>0.75</td><td>0.72</td></tr> <tr><td>2.0</td><td>0.80</td><td>0.78</td></tr> <tr><td>2.5</td><td>0.85</td><td>0.82</td></tr> <tr><td>3.0</td><td>0.88</td><td>0.85</td></tr> <tr><td>3.5</td><td>0.90</td><td>0.88</td></tr> <tr><td>4.0</td><td>0.92</td><td>0.90</td></tr> <tr><td>4.5</td><td>0.94</td><td>0.92</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	0.70	1.5	0.75	0.72	2.0	0.80	0.78	2.5	0.85	0.82	3.0	0.88	0.85	3.5	0.90	0.88	4.0	0.92	0.90	4.5	0.94	0.92	5.0	0.95	0.93
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