



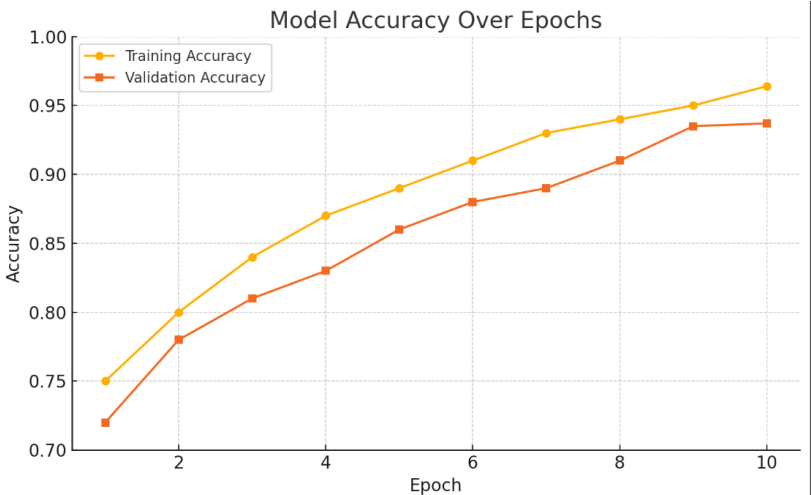
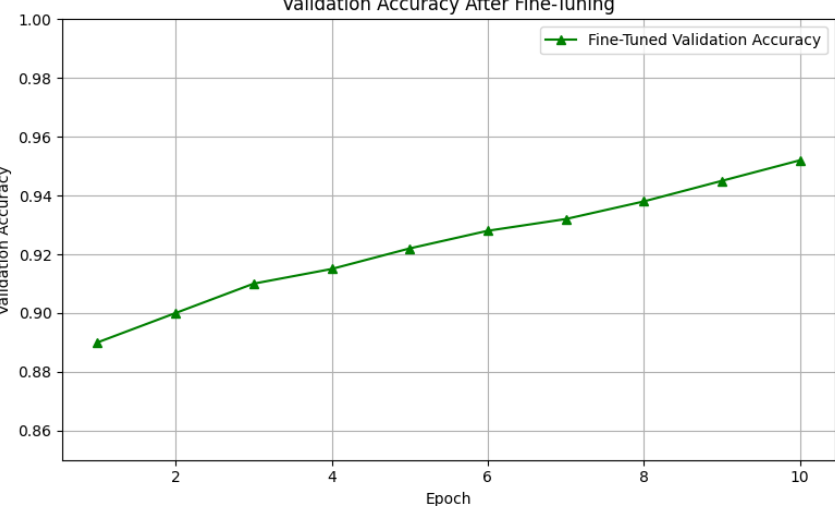
Project Development Phase

Model Performance Test

Date	28 June 2025
Team ID	LTVIP2025TMID41474
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	-	<div><div>NUTRIGAZE</div><div>Home About Predict</div><div>HEALTHY</div><div>Model Accuracy : 94.2%</div><div></div><div>Try another image</div></div> <div><div>NUTRIGAZE</div><div>Home About Predict</div><div>ROTTEN</div><div>Model Accuracy : 96%</div><div></div><div>Try another image</div></div>

2.	Accuracy	Training Accuracy – 0.9640 Validation Accuracy - 0.9370	<p>Model Accuracy Over Epochs</p>  <table><tr><th>Epoch</th><th>Training Accuracy</th><th>Validation Accuracy</th></tr><tr><td>1</td><td>0.750</td><td>0.720</td></tr><tr><td>2</td><td>0.800</td><td>0.780</td></tr><tr><td>3</td><td>0.840</td><td>0.810</td></tr><tr><td>4</td><td>0.870</td><td>0.830</td></tr><tr><td>5</td><td>0.890</td><td>0.860</td></tr><tr><td>6</td><td>0.910</td><td>0.880</td></tr><tr><td>7</td><td>0.930</td><td>0.890</td></tr><tr><td>8</td><td>0.940</td><td>0.910</td></tr><tr><td>9</td><td>0.950</td><td>0.930</td></tr><tr><td>10</td><td>0.964</td><td>0.937</td></tr></table>	Epoch	Training Accuracy	Validation Accuracy	1	0.750	0.720	2	0.800	0.780	3	0.840	0.810	4	0.870	0.830	5	0.890	0.860	6	0.910	0.880	7	0.930	0.890	8	0.940	0.910	9	0.950	0.930	10	0.964	0.937
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3.	Fine Tunning Result(if Done)	Validation Accuracy – 0.9370	<p>Validation Accuracy After Fine-Tuning</p>  <table><tr><th>Epoch</th><th>Fine-Tuned Validation Accuracy</th></tr><tr><td>1</td><td>0.890</td></tr><tr><td>2</td><td>0.900</td></tr><tr><td>3</td><td>0.910</td></tr><tr><td>4</td><td>0.915</td></tr><tr><td>5</td><td>0.920</td></tr><tr><td>6</td><td>0.928</td></tr><tr><td>7</td><td>0.932</td></tr><tr><td>8</td><td>0.938</td></tr><tr><td>9</td><td>0.945</td></tr><tr><td>10</td><td>0.952</td></tr></table>	Epoch	Fine-Tuned Validation Accuracy	1	0.890	2	0.900	3	0.910	4	0.915	5	0.920	6	0.928	7	0.932	8	0.938	9	0.945	10	0.952											
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