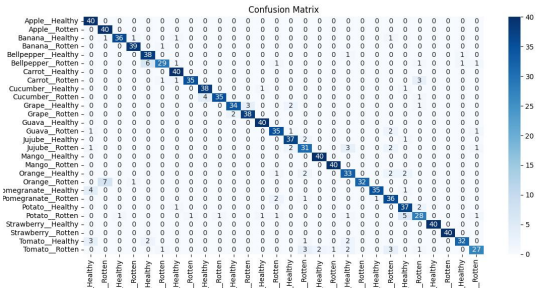
Project Development Phase
Model Performance Test

Date	27 JUNE 2025
Team ID	LTVIP2025TMID59885
Project Name	Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	10 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Classification Model:** Confusion Matrix - , Accuray Score- & Classification Report -	Confusion Matrix  Classification Report

	precision	recall	f1-score	support
Apple__Healthy	0.82	1.00	0.90	40
Apple__Rotten	0.83	1.00	0.91	40
Banana__Healthy	0.97	0.90	0.94	40
Banana__Rotten	0.95	0.97	0.96	40
Bellpepper__Healthy	0.83	0.95	0.88	40
Bellpepper__Rotten	0.91	0.72	0.81	40
Carrot__Healthy	0.91	1.00	0.95	40
Carrot__Rotten	0.97	0.88	0.92	40
Cucumber__Healthy	0.90	0.95	0.93	40
Cucumber__Rotten	0.97	0.88	0.92	40
Grape__Healthy	0.94	0.85	0.89	40
Grape__Rotten	0.93	0.95	0.94	40
Guava__Healthy	0.95	1.00	0.98	40
Guava__Rotten	0.88	0.88	0.88	40
Jujube__Healthy	0.88	0.93	0.90	40
Jujube__Rotten	0.78	0.78	0.78	40
Mango__Healthy	0.95	1.00	0.98	40
Mango__Rotten	0.98	1.00	0.99	40
Orange__Healthy	0.79	0.82	0.80	40
Orange__Rotten	1.00	0.80	0.89	40
Pomegranate__Healthy	0.97	0.88	0.92	40
Pomegranate__Rotten	0.78	0.90	0.84	40
Potato__Healthy	0.79	0.93	0.85	40
Potato__Rotten	0.76	0.70	0.73	40
Strawberry__Healthy	1.00	1.00	1.00	40
Strawberry__Rotten	1.00	1.00	1.00	40
Tomato__Healthy	0.94	0.80	0.86	40
Tomato__Rotten	0.87	0.68	0.76	40
accuracy			0.90	1120
macro avg	0.90	0.90	0.90	1120
weighted avg	0.90	0.90	0.90	1120

PS D:\526\smart_sorting>