Project Development Phase Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID59908
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	Metrics	Classification Model:	Confusion Matrix
	Confusion Matrix - , Accuray	Contain Hari	
		Score- & Classification Report -	Controlled Con
			Classification Report
		precision recall f1-score support	
		Apple_Healthy	
			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
			GrapeHealthy
			Grape_Rotten
			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
			OrangeRotten
			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>