

Project Development Phase
Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID35093
Project Name	Smart Sorting & Transfer Learning for Identifying Rotten Fruits and Vegetables
Maximum Marks	

1. Model Summary

Parameter	Value
Model Architecture	MobileNetV2 (Pre-trained on ImageNet)
Input Shape	224 x 224 x 3
Total Parameters	2,259,265
Trainable Parameters	1,319,553
Non-trainable Parameters	939,712
Optimizer	Adam
Loss Function	Categorical Crossentropy
Number of Epochs	20
Batch Size	32

2. Accuracy

Metric	Value
Training Accuracy	96.75%
Validation Accuracy	91.20%

3. Fine Tuning Result (If Done)

Metric	Value
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Validation Accuracy after Fine Tuning	93.85%
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