

# Model Performance Test

## Smart Sorting: Transfer Learning for Identifying Rotten Fruits and Vegetables

Team ID : LTVIP2026TMIDS38627

### Model Performance Testing:

The project team shall fill the following information in the model performance testing template.

S.No.	Parameter	Values	Screenshot
•	Model Summary	-	<p>The Smart Sorting model uses transfer learning with convolutional neural networks to classify fruits and vegetables as fresh or rotten. It leverages pre-trained models (e.g., MobileNet, ResNet) for efficient and accurate feature extraction. This approach significantly improves sorting speed and accuracy, reducing manual labor and produce waste</p>

•	Accuracy	Training Accuracy - Validation Accuracy -	Accuracy: 0.7812 - loss: 1.0130
3.	Fine Tuning Result( if Done)	Validation Accuracy -	0.7812