

Project Development Phase

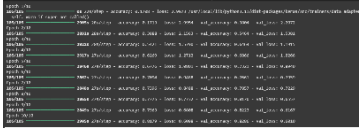
Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID41045
Project Name	Smart Sorting: Transfer Learning for identifying rotten fruits and vegetables
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No	Parameter	Values	Screenshot	
1.	Metrics	<div>VGG16+Dense output Model</div> <div>Classification Model: Confusion Matrix Accuray Score- 83 Classification Report – Accuracy-83 Precision-85 Recall-83 F1 Score-83</div>	<div><div>Confusion Matrix:</div><table><tr><td>[[34 1 0 </td></tr></table></div>	[[34 1 0
[[34 1 0				

2.	Tune the Model	<p>Hyperparameter Tuning - <input type="checkbox"/></p> <p>Learning Rate: 1e-5 (during fine-tuning)</p> <p>Epochs: 10 (fine-tuning), with EarlyStopping enabled</p> <p>EarlyStopping = True</p> <p>Validation Method -Validation split with ImageDataGenerator</p>	
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