
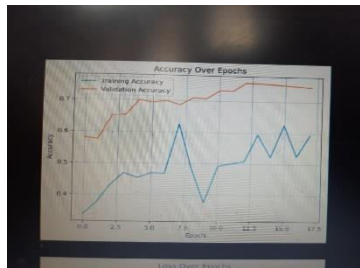
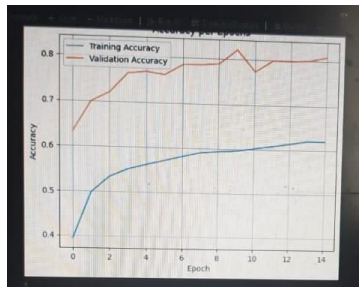


Project Development Phase Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID44620
Project Name	Smart Sorting: Transfer Learning For Identifying Rotten Fruits And Vegetables
Maximum Marks	

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	VGG16 + flatten + dense + dropout + dense(output layer 28)	 <p>The screenshot shows the Keras model summary for a VGG16-based architecture. The layers are: VGG16 (Conv2D, 112 filters), Flatten, Dense (256 units), Dropout, Dense (256 units), and Dense (28 units). The total number of parameters is 147,000.</p>
2.	Accuracy	<p>Training Accuracy – 59 %</p> <p>Validation Accuracy – 72%</p>	 <p>The graph shows training and validation accuracy over 14 epochs. Training accuracy (blue line) starts at approximately 0.4 and rises to about 0.6. Validation accuracy (orange line) starts at approximately 0.6 and rises to about 0.72.</p>
3.	Fine Tuning Result(if Done)	Validation Accuracy – 82%	 <p>The graph shows training and validation accuracy over 14 epochs after fine-tuning. Training accuracy (blue line) starts at approximately 0.4 and rises to about 0.6. Validation accuracy (orange line) starts at approximately 0.6 and rises to about 0.82.</p>

