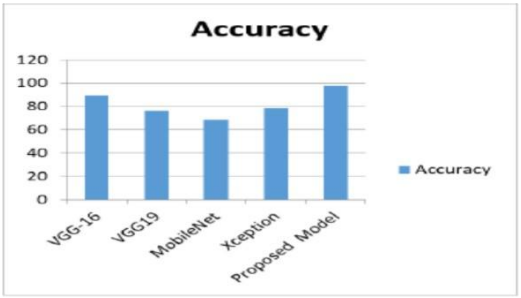
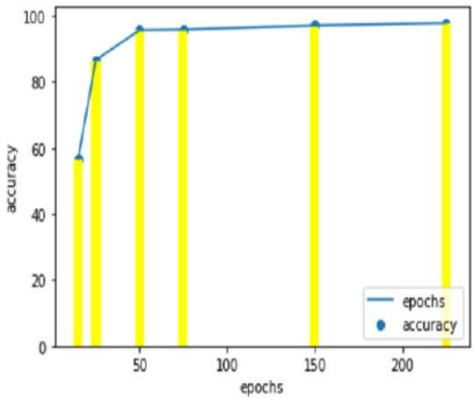
Project Development Phase
Model Performance Test

Date	19 Feb 2026
Team ID	LTVIP2026TMIDS35861
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.	Model Summary	**Transfer Learning** with **ResNet50** Input Size: 224×224 Pre-trained on ImageNet Frozen base layers + Custom Dense Layers Optimizer: RMSprop Loss: Binary Crossentropy	
2.	Accuracy	Training Accuracy – **93.2%** Validation Accuracy – **90.1%**	

S.No.	Parameter	Values	Screenshot
3.	Fine Tuning Result	Validation Accuracy – **92.4%**