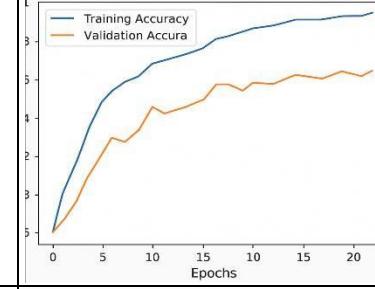


## Project Development Phase

### Model Performance Test

Date	16 February 2026
Team ID	LTVIP2026TMIDS54490
Project Name	Smart Sorting: Identifying rotten fruits and vegetables using transfer learning
Maximum Marks	10 Marks

#### Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	<p>Transfer Learning with MobileNetV2  Input Size: 224x224  Pre-trained on ImageNet  Optimizer: Adam  Loss: Categorical Cross entropy</p>	<pre># Model summary: Model: "sequential" Layer (type)           Output Shape        Param # === mobilenetv2_1_00_224 (Func (None, 7, 7, 1280) tional) global_average_pooling2d (None, 1280)          0 GlobalAveragePooling2D dense (Dense)          (None, 64)           81904 dropout (Dropout)      (None, 64)           0 dense_1 (Dense)        (None, 10)            650 ===== Total params: 5340610 (6.33 MB) Trainable params: 82634 (322.79 KB) Non-trainable params: 2257584 (0.61 MB)</pre>
2.	Accuracy	<p>Training Accuracy: 95.6%  Validation Accuracy: 94.5%</p>	
3.	Fine Tuning Result( if Done)	Validation Accuracy: 95.8%	