Project Development Phase Model Performance Test

Date	25 June 2025
Team ID	LTVIP2025TMID41277
Project Name	Smart sorting
Maximum Marks	4 Marks

Model Performance Testing:

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Input Shape : (224, 224, 3) Number of Classes : 29 Total Parameters : 27,575,135 (~105.19 MB) Trainable Parameters : 12,860,445 (~49.06 MB) Non-trainable Parameters : 14,714,688 (~56.13 MB) Optimizer Parameters : 2 (~12 Bytes)	Layer (type)
		Top Dense Layer Size : 512 units Final Output Layer : Dense(29) Dropout Layer Used : Yes (before final output)	blood_gool_(destboolings)
		Base Model : VGG16 (pre-trained on ImageNet) Architecture Summary : - 5 Convolutional Blocks (Conv2D + MaxPooling2D) - Flatten layer - Dense(512) + Dropout - Dense(29) for classification	
2.	Accuracy	Training Accuracy: 94.00% Validation Accuracy: 93.20%	>> Model Name : VGG16 (Transfer Learning) >> Dataset Size : ~30,000 images >> Epochs Trained : 5 >> Training Accuracy : 94.00% >> Validation Accuracy: 93.20% >> Loss Function : Categorical Crossentropy >> Optimizer : Adam >> I

3.	Fine Tunning Result(if Done)	Validation Accuracy -91.43%	is Cilises innocities are lestoni properti Cilises innocities lestop properti innot casaries intellis. Is
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