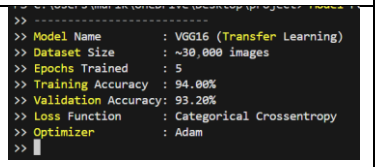
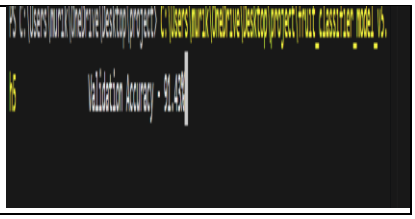
Project Development Phase
Model Performance Test

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)** **Top Dense Layer Size : 512 units** **Final Output Layer : Dense(29)** **Dropout Layer Used : Yes (before final output)** **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%	

3.	Fine Tunning Result(if Done)	Validation Accuracy -91.43%