Project Development Phase
Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID60795
Project Name	Pattern Sense: Classifying Fabric Patterns Using Deep Learning
Maximum Marks	

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Model Summary	Convolutional Neural Network (CNN) based on VGG16 pre-trained architecture. Final layers customized for multi-class classification of fabric patterns.	
2.	Accuracy	Training Accuracy - 94.5% Validation Accuracy - 91.2%	
3.	Fine Tunning Result(if Done)	Validation Accuracy - 93.4% after unfreezing final conv layers and adjusting learning rate	