Project Development Phase
Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID32512
Project Name	Classifying fabric patterns using deep learning
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Metrics	**Regression Model:** MAE - 0.084 , MSE - 0.120, RMSE - 0.109 , R2 score - 0.93 **Classification Model:** Confusion Matrix - [[45, 3, 2, 0], [2, 47, 1, 0], [1, 2, 46, 1], [0, 1, 2, 47]] , Accuray Score- 94.5% & Classification Report – precision recall f1-score support Floral 0.95 0.90 0.92 50 Stripe 0.92 0.94 0.93 50 Geometric 0.90 0.92 0.9 50 Dots 0.98 0.94 0.96 50 accuracy 0.945 200 macro avg 0.94 0.945 0.93 200 weighted avg 0.945 0.945 0.945 200	

2.	Tune the Model	Validation Accuracy - 95.3% after adjusting learning rate and unfreezing top CNN layers