Project Development Phase Model Performance Test

Date	23 june 2025	
Team ID	LTVIP2025TMID41819	
Project Name	Pattern Sense: 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
		Regression Model : Not Applicable (NA)	Confusion Matrix:
1	Metrics	Classification Model: - Accuracy Score: 92.4% - Confusion Matrix: ✓ - Classification Report: • Precision: 91% • Recall: 92% • F1 Score: 91.5%	Floral 50 2 1 0 Striped 3 45 2 0 Checked 1 3 47 1 Dotted 0 0 2 48
			Hyperparameter Tuning Table:
2	Tune the Model	Hyperparameter Tuning: - Learning Rate: [0.001, 0.005, 0.01] → 0.005 - Batch Size: [16, 32, 64] → 32 - Epochs: [10, 20, 50] → 20 Validation Method: Stratified K-Fold (k=5)	Parameter Tested Values Best Value Learning Rate [0.001, 0.005, 0.01] 0.005 Batch Size [16, 32, 64] 32 Epochs [10, 20, 50] 20 Validation Method: Stratified K-Fold (k=5)