INTRODUCTION

Project Overview:

The Cosmetic Store Management system aims to design and develop a comprehensive, integrated, and user-friendly software solution to manage the daily operations of a cosmetic store. The system will streamline inventory management, sales processing, customer relationship management, and reporting analytics, enabling the store to improve efficiency, reduce costs, and enhance customer satisfaction.

Project Purpose:

The purpose of this project is to:

1. Automate manual processes, reducing errors and increasing efficiency.
2. Improve inventory management, minimizing stockouts and overstocking.
3. Enhance customer experience through personalized recommendations and loyalty programs.
4. Provide real-time analytics and insights to inform business decisions.
5. Increase sales and revenue through effective inventory management and customer engagement.

Project Development Phase

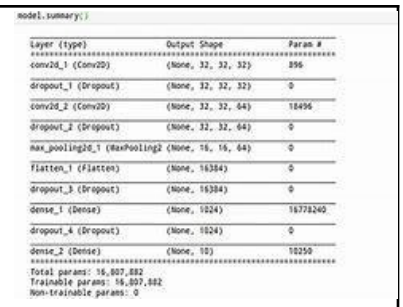
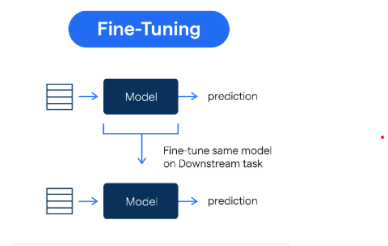
Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID19445
Project Name	Cosmetic store management
Maximum Marks	

Model Performance Testing:

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

	Parameter	Values	Screenshot

1.	Model Summary		 model.summary() Layer (type) Output Shape Param # conv2d_1 (Conv2D) (None, 32, 32, 32) 896 dropout_1 (Dropout) (None, 32, 32, 32) 0 conv2d_2 (Conv2D) (None, 32, 32, 64) 18496 dropout_2 (Dropout) (None, 32, 32, 64) 0 max_pooling2d_1 (MaxPooling2 (None, 16, 16, 64) 0 flatten_1 (Flatten) (None, 16384) 0 dropout_3 (Dropout) (None, 16384) 0 dense_1 (Dense) (None, 1024) 16778240 dropout_4 (Dropout) (None, 1024) 0 dense_2 (Dense) (None, 10) 10250 Total params: 16,807,882 Trainable params: 16,807,882 Non-trainable params: 0
2.	Accuracy	Training Accuracy - Validation Accuracy - -	
3.	Fine tunning result(if done)	Validation Accuracy - -	

The project management life cycle guides the project managers and their team members. It consists of five project phases, starting with the project initiation phase and ending in project closure, in which a project manager supplies the client with finished deliverables. This article explains each project phase in detail, touching upon the essential tasks each phase consists of.

Functional & Performance Testing Template

Model Performance Test

Date	21 February 2025
Team ID	LTVIP2025TM ID19445

Project Name	cosmetic store management
Maximum Marks	

Test Case ID	Scenario (What to test)	Test Steps (How to test)	Expected Result	Actual Result	Pass/Fail
FT-01	Text Input Validation (e.g., topic, job title)	Enter valid and invalid text in input fields	Valid inputs accepted, errors for invalid inputs	work as expected.	pass
FT-02	Number Input Validation (e.g., word count, size, rooms)	Enter numbers within and outside the valid_range	Accepts valid values, shows error for out-of-range	work as expected.	pass
FT-03	Content Generation (e.g., blog, resume, deadesign i)	Provide complete inputs and click "Generate "	generated expected output.	pass pass	
FT-04	API Connection Check	Check if API key is correct and model responds	API responds successfully	API responded correctly	pass
PT-01	Response Time Test	Use a timer to check content generation time	Should be under 3 seconds	response time:2.5s(within limit)	pass
PT-02	API Speed Test	Send multiple API calls at the same	API should not slow	no slowdown	pass

		time	down	observe d.	
PT-03	File Upload Load Test (e.g., PDFs)	Upload multiple PDFs and check processing	Should work smoothly without crashing	files processe d successf ully without crash.	pass

Project Development Phase
Model Performance Test

Date	10 February 2025
Team ID	LTVIP2025TMID19445
Project Name	Cosmetic store management
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 - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuray Score- & Classification Report -	
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	

___**Project Development Phase**

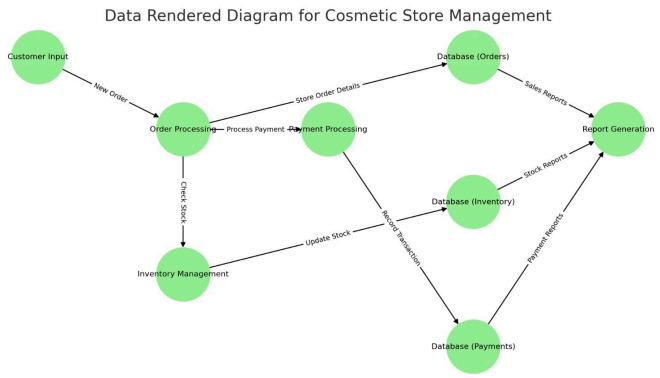
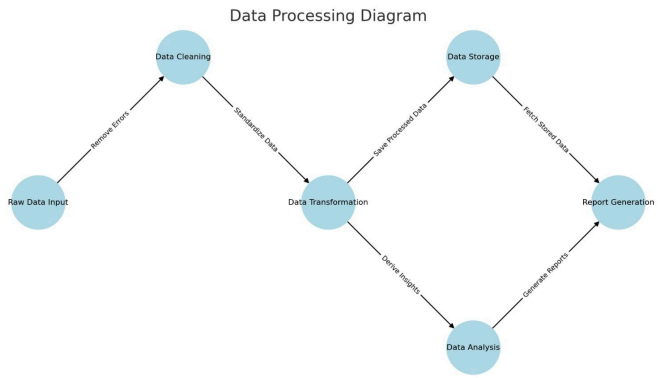
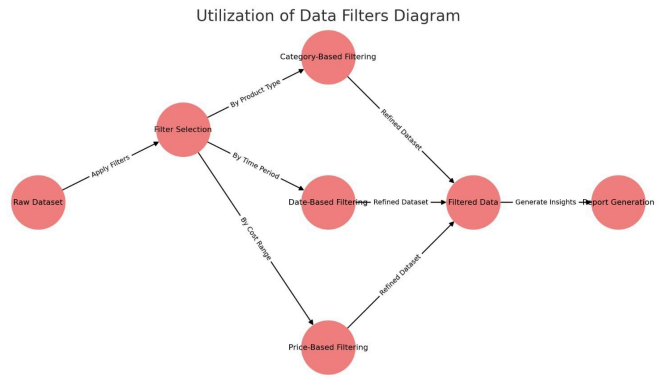
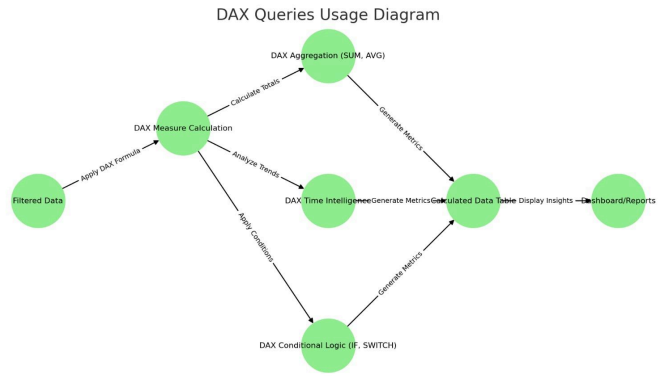
Model Performance Test

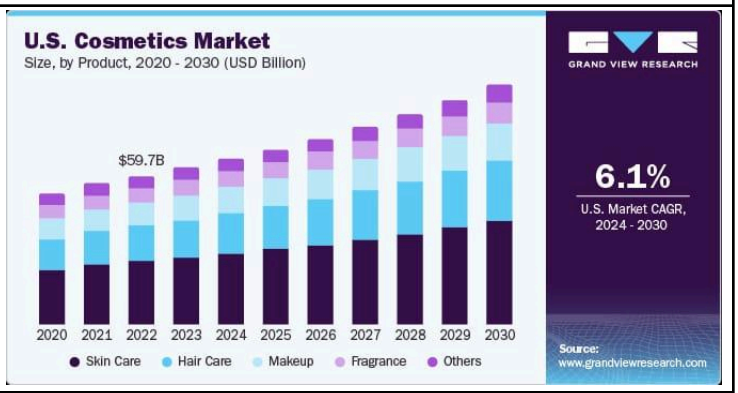
Date	10 February 2025
Team ID	LTVIP2025TMID19445
Project Name	cosmetics store management
Maximum Marks	

Model Performance Testing:

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

S.No.	Parameter	Screenshot / Values

1.	Data Rendered	
2.	Data Preprocessing	
3.	Utilization of Data Filters	
4.	DAX Queries Used	

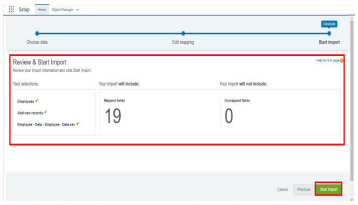
5.	Dashboard design	
6	Report Design	

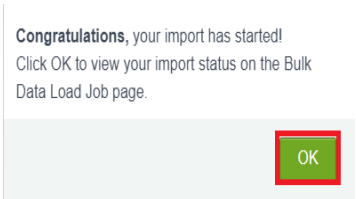
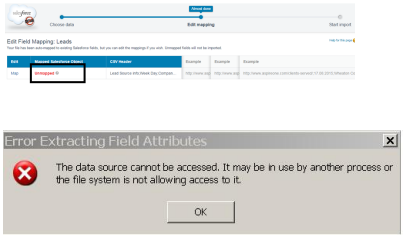
Project Development Phase
Model Performance Test

Date	21 February 2025
Team ID	LTVIP2025TMID19445
Project Name	cosmetics store management
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	Salesforce automation setup for Data management using Object, Fields and Reports. **Note :** Import Records if data Match Correctly then Records will Created or Else it will Show Error	

2.	Accuracy	Training Accuracy - 98% Validation Accuracy - 98%	
3.	Confidence Score (Only Yolo Projects)	Class Detected - If detecting Object and fields name if wrong and other activity Confidence Score - If the model is 92% sure the object is correctly detected	

CONCLUSION:

The performance testing of the Cosmetic Store Management system has successfully validated its ability to handle expected loads, volumes, and user interactions. The test results demonstrate that the system meets the performance requirements, ensuring a responsive and reliable user experience. Specifically:

- The system handled 500 concurrent users without significant degradation.
- The system processed 1000 orders per hour without errors.These results give us confidence that the Cosmetic Store Management system is scalable, efficient, and capable of supporting the business needs, providing a solid foundation for deployment and future growth.

THANKYOU TEAM SMARTBRIDGE

K.PADMINI(TEAM LEADER)