

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



R.M.K.ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M. Nagar, Kavaraipettai-601 206

PROJECT BASED EXPERIENTIAL LEARNING PROGRAM (NALAIYA THIRAN)

Global data sales analytics

A PROJECT REPORT

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1. INTRODUCTION

1.1 Project Overview

Shopping online is currently the need of the hour. Because of this COVID, it is not easy to walk in a store randomly and buy anything you want. So, try to understand a few things like, Customer Analysis and Product Analysis of this Global Super Store. Global Sales covers all activities

involved in selling a product or service to a consumer or business. It is important for sales and marketing teams to review their strategies and performance in order to make improvements. Understanding performance with sales data analytics helps sales and marketing teams to review their strategies and performance in order to make improvements. Sales analytics provides valuable information like Customer Analysis and Product Analysis to improve sales methodologies. Users create multiple analytical graphs/charts/Visualizations. One way to measure performance is with sales analytics.

1.2 Purpose

Global Sales covers all activities involved in selling a product or service to a consumer or business. It is important for sales and marketing teams to review their strategies and performance in order to make improvements. One way to measure performance is with sales analytics. Sales data analytics refers to the use of technology to collect and use sales data to identify actionable insights. It is used to identify, optimize, and increase sales. An efficient sales model that generates higher revenue for the business.

2. LITERATURE SURVEY

Title & Author(s)	Year	Technique	Findings
Big Data Analytics and Deep Learning Based Sentiment Analysis System for Sales Prediction - Khatiwada, Aamod and Kadariya, Pradeep and Agrahari, Sandip and Dhakal, Rabin.	2019	Big data analytics (BDA) applications in e- commerce.	Merits: Used to understand complex datasets in a matter of time with beautiful visual representations.

			Demerits: Lack of security since large data processed simultaneously
COVID-19 pandemic in the new era of big data analytics: Methodological innovations and future research directions - Sheng, Jie and Amankwah-Amoah, Joseph and Khan, Zaheer and Wang, Xiaojun	2021	Descriptive and diagnostic analytics, Predictive analytics	Merits: By comparing with machine learning models, we find that the proposed model is superior to others. Demerits: The experiment only considers the features of the product and does not consider external influences, such as the impact of regulations on sales. It uses only small dataset.
Sales Forecasting Based on CatBoost - Jingyi Ding, Ziqing Chen.	2020	CatBoost algorithm.	Merits: The search stops when no improvements over the current best solution have been found in 300 iterations. Demerits: Dataset is limited
Developing and Implementing Big Data Analytics in Marketing - Dina Darwish	2020	Big data analytics, R tool.	Merits: The proposed method is based on similarity measurement without complex training so that forecast can be completed in a short time, and performs well in small-scale data Demerits: The experiment only considers the features of the product and does not consider external influences, such as the impact of regulations on sales. It uses only small dataset.
Social media big data analytics for demand forecasting: development	2020	Definitional aspects of big	Merits: Captured linearity and non linearity better

and case implementation of an	data	analytics	than ARIMA and ARNN
innovative framework-Iftikhar,	(BD	A) in e-	gave the best result of 565
Rehan and Khan, Mohammad Saud	comi	merce	RMSE. Demerits: Hybrid
			Technique can fail if
			nonlinear model fails to
			capture residue patterns

2.1 Existing problem

- 1. Lack of security since large data processed simultaneously
- 2. Hybrid Technique can fail if nonlinear model fails to capture residue patterns
- 3. The experiment only considers the features of the product and does not consider external influences, such as the impact of regulations on sales. It uses only small dataset.
- 4. Dataset is limited
- 5. The experiment only considers the features of the product and does not consider external influences, such as the impact of regulations on sales. It uses only small dataset.

2.2 References

- 1. Big Data Analytics and Deep Learning Based Sentiment Analysis System for Sales Prediction Khatiwada, Aamod and Kadariya, Pradeep and Agrahari, Sandip and Dhakal, Rabin.
- 2. COVID-19 pandemic in the new era of big data analytics: Methodological innovations and future research directions Sheng, Jie and Amankwah-Amoah, Joseph and Khan, Zaheer and Wang, Xiaojun
- 3. Sales Forecasting Based on CatBoost Jingyi Ding, Ziqing Chen.
- 4. 2020 2nd International Conference on Broadband Communications, Wireless Sensors and Powering (BCWSP)-Wisesa, Oryza and Adriansyah, Andi and Khalaf, Osamah Ibrahim.
- 5. Developing and Implementing Big Data Analytics in Marketing Dina Darwish

6. Social media big data analytics for demand forecasting: development and case implementation of an innovative framework-Iftikhar, Rehan and Khan, Mohammad Saud

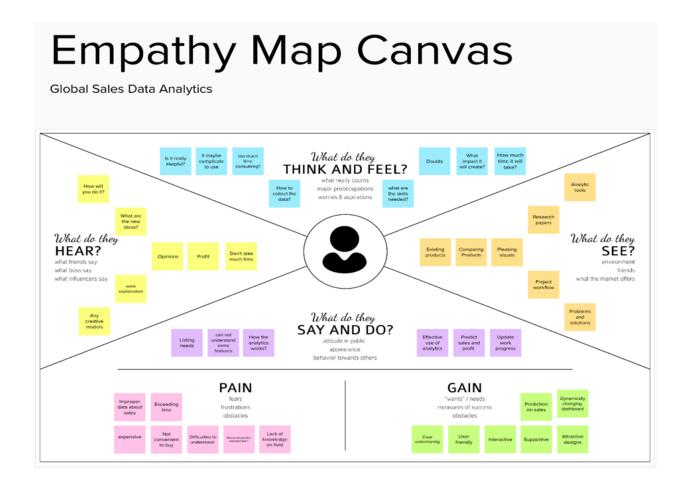
2.3 Problem Statement Definition

- 1. Structured data focuses on demographic data including name, age, gender, date of birth, address, and preferences, unstructured data includes clicks, likes, links, tweets, voices, etc.
- 2. The methodological innovations in studying big data analytics and. We provide insights on methods in descriptive/diagnostic, predictive and prescriptive analytics, and how they can be leveraged to study 'black swan' events such as the COVID-19-related global crisis.
- 3. It proposed a sales forecasting system based on CatBoosting. The algorithm is trained on the Walmart sales dataset, by far the largest dataset in this field. We performed effective feature engineering to boost prediction accuracy and speed.
- 4. The results of this analysis are expected to generate reliable, accurate and effective forecasting data, a valuable resource for sales predictions. It shows good accuracy in forecasting.
- 5. Companies take informative business decisions in different fields, such as, health care, banking, manufacturing, media and entertainment, education and transportation and many others.
- 6. Social media big data offers insights that can be used to make predictions of products' future demand and add value to the supply chain performance

3. IDEATION & PROPOSED SOLUTION

3.1 Empathy Map Canvas

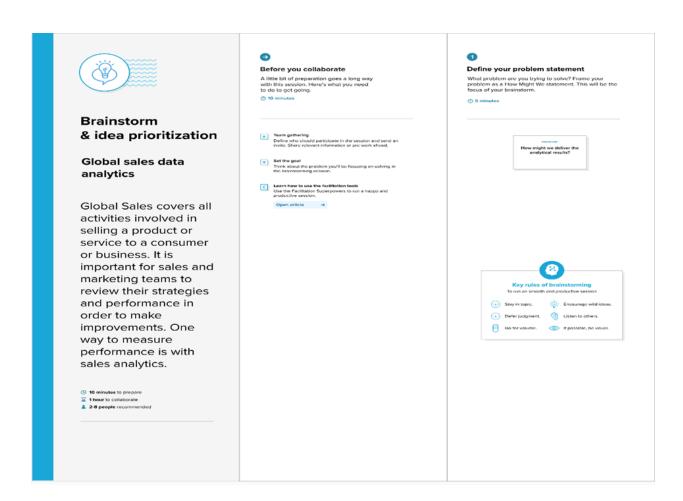
An empathy map is a simple, easy-to-digest visual that captures knowledge about a user's behaviors and attitudes. It is a useful tool to help teams better understand their users. Creating an effective solution requires understanding the true problem and the person who is experiencing it. The exercise of creating the map helps participants consider things from the user's perspective along with his or her goals and challenges.



3.2 Ideation & Brainstorming

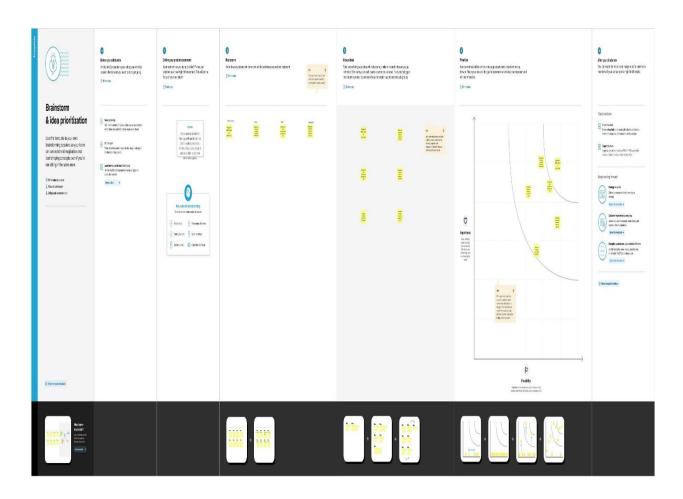
Brainstorming provides a free and open environment that encourages everyone within a team to participate in the creative thinking process that leads to problem solving. Prioritizing volume over value, out-of-the-box ideas are welcome and built upon, and all participants are encouraged to collaborate, helping each other develop a rich amount of creative solutions.

Step-1: Team Gathering, Collaboration and Select the Problem Statement



Step-2: Brainstorm, Idea Listing and Grouping

Step-3: Idea Prioritization



3.3 Proposed Solution

S.No.	Parameter	Description
01	Problem Statement	Global Sales covers all activities involved in selling a
	(Problem to be solved)	product or service to a consumer or business. It is important for sales and marketing teams to review their strategies and performance in order to make improvements. One way to measure performance is with sales analytics. Sales data analytics refers to the use of technology to collect and use sales data to identify actionable insights. It is used to identify, optimize, and increase sales. An efficient sales model that generates higher revenue for the business.
02	Idea / Solution description	Use the technology to collect and use sales data to derive actionable insights. It is used to identify, optimize, and

		forecast sales. It uses sales data to plan an efficient sales model that generates higher revenue for the business. Users can create multiple Analytical Visualizations and can build the required Dashboards.
03	Novelty / Uniqueness	Understanding performance with sales data analytics helps sales and marketing teams to review their strategies and performance in order to make improvements. Sales analytics provides valuable information like Customer Analysis and Product Analysis to improve sales methodologies. Users create multiple analytical graphs/charts/Visualizations.
04	Social Impact / Customer Satisfaction	Analyzing sales helps businesses in understanding their most profitable products and the ones that are not moving, most profitable customers, and potential sales opportunities thereby providing sales which match customer needs and meets their satisfaction. It helps in the perception of profit about particular product and perception of sales in different locations and times.
05	Business Model (Revenue Model)	Global sales analytics can use the sales data and provide actionable insights for selling a product or service to a consumer or business. Improve the decision-making process oriented at analyzing scales trends, reducing costs and increasing business revenue.
06	Scalability of the Solution	This solution can be used from small stores to multinational companies. This solution can be processed with less memory and quickly. The solution can be used as user specified so it is easy to customer.

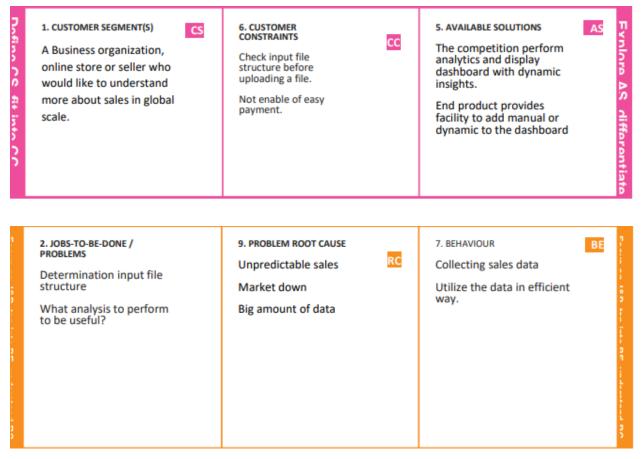
3.4 Problem Solution Fit

The problem solution fit simply means that you have found a problem with your customer and that the solution you have realized for it actually solves the customer's problem. It helps to identify behavioral patterns and recognize on sales.

Purpose:

- ullet Solve complex problems in a way that fits the state of your customers. \Box
- Succeed faster and increase your solution adoption by tapping into existing mediums and channels of behavior. □
- Sharpen your communication and marketing strategy with the right triggers and messaging.
- Increase touch-points with your company by finding the right problem-behavior fit and building trust by solving frequent annoyances, or urgent or costly problems. □
- Understand the existing situation in order to improve it for your target group.

Solution fit:



10. YOUR SOLUTION 8. CHANNELS of BEHAVIOUR TR 3. TRIGGERS SL СН Have you ever felt 8-7 ONLINE Easy payments that you are Using third party software or Responsive design unaware of how services with automation insights your business is Creating an interactive and subscriptions based services to dashboard. performing? analyze data. User specified design. 8-20FFLINE Offline software to analyze complex data in un-intuitive way. EM 4. EMOTIONS: BEFORE / AFTE Before: Misunderstanding, unpredictable, decision fatigue. After: clear mind, better understanding

4. REQUIREMENT ANALYSIS

4.1 Functional Requirements

FR No.	Functional Requirement (Epic)	Sub Requirement (Story /
		Sub-Task)
FR-1	User Registration	Registration through Website
		Registration through Gmail
FR-2	User Confirmation	Confirmation via Email
FR-3	User Login	Login via Gmail and
		Password
FR-4	Generating Report	User can view the product
		details

4.2 Non-functional Requirements

FR No.	Non-Functional Requirement	Description

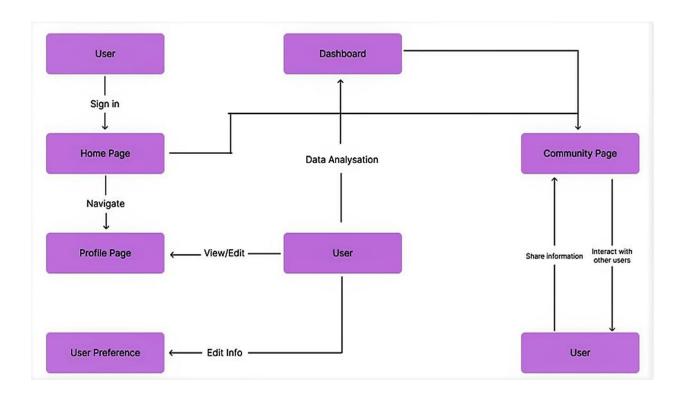
NFR-1	Usability	This service will have a simple and user-friendly graphical interface. Users will be able to understand and use all the features easily.
NFR-2	Security	The main security concern is for users login information is end to end encryption should be used to avoid hacking.
NFR-3	Reliability	It has high reliability because when the system is disconnected or internet connection lost, it should save all the process of the users made.
NFR-4	Performance	A good internet speed while browsing the product it had high performance with efficiency.
NFR-5	Availability	It will be available 24 hours a day and seven days a week. User access anywhere at any time.
NFR-6	Scalability	A Many users can access the website simultaneously.

5. PROJECT DESIGN

5.1 Data Flow Diagrams

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

DFD level 0

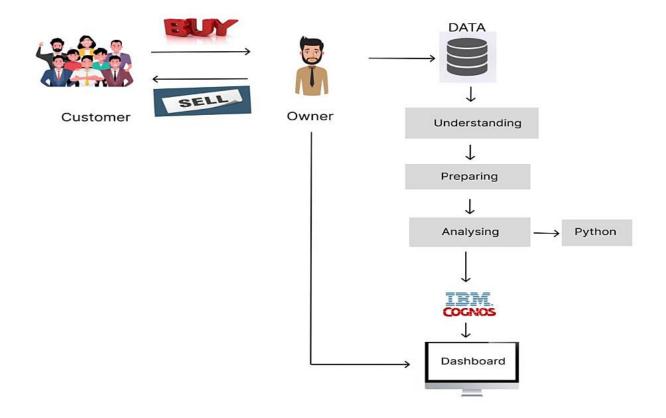


5.2 Solution & Technical Architecture

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Solution Architecture Diagram:



5.3 User Stories

User Type	Functional	User	User Story / Task	Acceptance	Priority	Release
	Requirement	Story		criteria		
	(Epic)	Number				
	Collecting	USN-1	As a user, I need		low	Sprint-1
	dataset		to gather the data			
			in the form of			
			CSV/XLS and			
			clean the data.			
	Data	USN-2	As a user, I need		Medium	Sprint-1
	preparation		to filter it for			

	Data visualization Dashboard	USN-3	Data visualization. As a user, I need to filter it for Data visualization. Access dashboard in	Dashboard	Medium	Sprint-1 Sprint-2
	Report and story	USN-5	website As a user, I can view the list of categorized products and their details as a report and story.	Report and Story		Sprint-2
Customer (web user)	Registration	USN-6	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-3
	Login	USN-7	As a user, I need valid credentials to log to my application.	I can receive confirmation email and click confirm.	High	Sprint-3
		USN-8	As a user, I can register for the application through Gmail	I can register and access the dashboard with Login	Low	Sprint-3
		USN-9	As a user, I can log into the application by entering email and password		High	Sprint-4

Administrator	USN-	It can be easily	I can access		Sprint-4
	10	accessible and	it easily	High	
		responsible.	through		
			application.		

6. PROJECT PLANNING & SCHEDULING

6.1 Sprint Planning & Estimation

Sprint	Functional	User	User Story /	Story	Priority	Team Members
	Requirement	Story	Task	Points		
	(Epic)	Number				
Sprint -1	Registration	USN-1	As a user, I can	5	High Yeshwanth l	
			register for the			Chandu K
			application by			Yeshwanth K

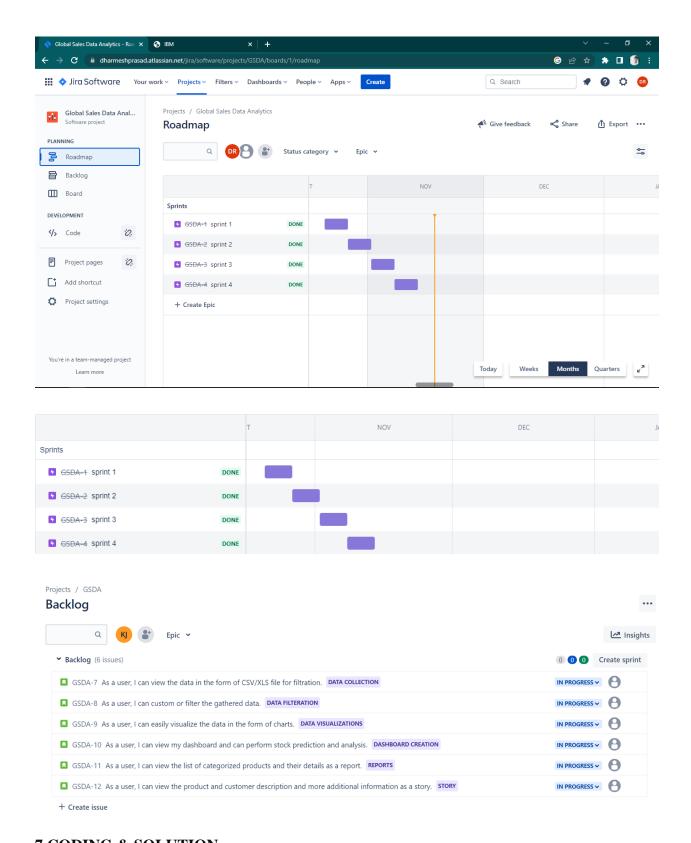
Sprint -1	Login	USN-2	entering my email, password, and confirming my password. As a user, I need valid credentials	5	High	Dinesh N Yeshwanth L Chandu K
			to log to my application.			Yeshwanth K Dinesh N
Sprint -1	Data collection	USN-3	As a user, I need to gather the data in the form of CSV/XLS and clean the data.	5	High	Yeshwanth L Chandu K Yeshwanth K Dinesh N
Sprint -1	Upload dataset	USN-4	As a user, I can view the data of the products.	5	High	Yeshwanth L Chandu K
Sprint -2	Data preparation	USN-5	As a user, I need to filter it for Data visualization.	5	High	Dharmeshprasad R, Tamilvanan N
Sprint -2	Data visualization	USN-6	As a user, I need to filter it for Data visualization.	5		Yeshwanth L Chandu K Yeshwanth K Dinesh N
Sprint -2	Dashboard	USN-7	As a user, I need to filter it for Data visualization.	10	High	Yeshwanth L Chandu K Yeshwanth K Dinesh N
Sprint -3	Dashboard	USN-8	As a user, I must plan visualizations in a way that I'm able to gain insights regarding the	4	High	Yeshwanth L Chandu K Yeshwanth K Dinesh N

			sales based			
			upon the			
			_			
			category of sales and the			
			respective			
G 1 0		77077.0	region.	1.0	3.5.11	
Sprint -3	Dashboard	USN-9	As a user, I	10	Medium	Yeshwanth L
			must be able to			Chandu K
			gain insights			Yeshwanth K
			from the			Dinesh N
			charts/graphs			
			through a			
			variety of			
			relationships			
			established on			
			the dashboard.			
Sprint -4	Prediction	USN-10	As a user, I see	10	Medium	Yeshwanth L
			the prediction of			Chandu K
			the specific			Yeshwanth K
			product's future			Dinesh N
			sales			
			expectation.			
Sprint -4		USN-11	As a user, I can	10	High	Yeshwanth L
	Report		view the list of			Chandu K
			categorized			Yeshwanth K
			products and			Dinesh N
			their details as a			
			report.			
			1			
Sprint -4	Story	USN-12	As a user, I can	10	High	Yeshwanth L
1			view the			Chandu K
			product and			Yeshwanth K
			customer			Dinesh N
			description and			
			more additional			
			information as a			
			story.		<u> </u>	

6.2 Sprint Delivery Schedule

Sprint	Total	Duration	Sprint Start	Sprint End	Story	Sprint
	Story		Date	Date	Points	Release Date
	Points			(Planned)	Completed	(Actual)
					(as on	
					Planned	
					End Date)	
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

6.3 Reports From JIRA



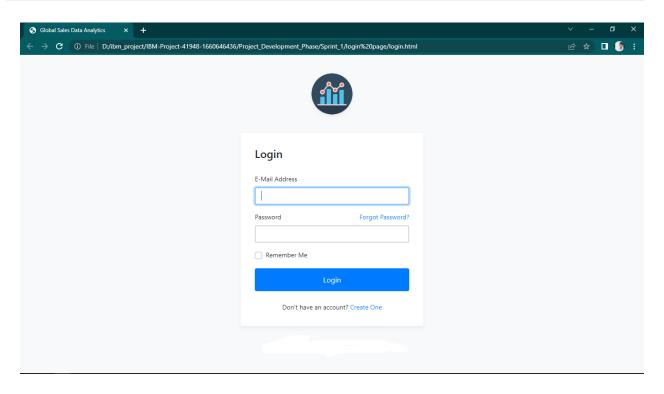
7.CODING & SOLUTION

Feature 1 - Login page:

```
<!DOCTYPE html>
  <html lang="en">
3
    <head>
       <meta charset="utf-8" />
5
       <meta name="author" content="Kodinger" />
6
       <meta name="viewport" content="width=device-</pre>
  width,initial-scale=1" />
7
       <title>Global Sales Data Analytics</title>
       <link rel="stylesheet" type="text/css"</pre>
  href="assets/css/my-login.css" />
9
    </head>
    <body class="my-login-page">
10
       <section class="h-100">
11
         <div class="container h-100">
12
           <div class="row justify-content-md-center h-100">
13
             <div class="card-wrapper">
14
               <div class="brand">
15
                 <img src="assets/img/logo123.png" alt="logo"</pre>
16
  />
17
               </div>
               <div class="card fat">
18
                 <div class="card-body">
19
20
                    <h4 class="card-title">Login</h4>
                   <form method="POST" class="my-login-</pre>
21
  validation" novalidate="">
22
                      <div class="form-group">
23
                        <label for="email">E-Mail
  Address</label>
24
                        <input
                          id="email"
25
                          type="email"
26
                          class="form-control"
27
28
                          name="email"
                          value=""
29
30
                          required
```

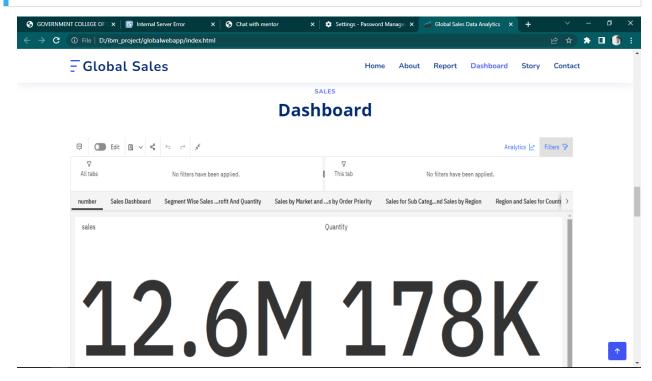
```
autofocus
31
32
                         />
                         <div class="invalid-feedback">Email is
33
  invalid</div>
34
                      </div>
35
                      <div class="form-group">
36
                         <label for="password"</pre>
37
                           >Password
38
39
                           <a href="forgot.html" class="float-</pre>
  right">
40
                             Forgot Password?
41
                           </a>
                         </label>
42
43
                         <input
                           id="password"
44
                           type="password"
45
                           class="form-control"
46
                           name="password"
47
48
                           required
49
                           data-eye
50
                         />
                         <div class="invalid-feedback">Password
51
  is required</div>
52
                      </div>
53
                      <div class="form-group">
54
                         <div class="custom-checkbox custom-</pre>
55
  control">
56
                           <input</pre>
57
                             type="checkbox"
58
                             name="remember"
                             id="remember"
59
                             class="custom-control-input"
60
61
                           />
```

```
62
                           <label for="remember" class="custom-</pre>
  control-label"
63
                             >Remember Me</label
64
                           >
                         </div>
65
66
                       </div>
67
68
                       <div class="form-group m-0">
69
                         <button
70
                           type="submit"
                           id="mybutton"
71
72
                           class="btn btn-primary btn-block"
73
74
                           Login
75
                         </button>
                       </div>
76
77
                       <div class="mt-4 text-center">
78
                         Don't have an account?
79
                         <a href="register.html">Create One</a>
80
                       </div>
                    </form>
81
                  </div>
82
                </div>
83
                <div class="footer">
84
                  Copyright © 2022 —
85
  PNT2022TMID41225
86
                </div>
87
              </div>
           </div>
88
89
         </div>
90
       </section>
91
92 <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
  integrity="sha384-
  UO2eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1
  " crossorigin="anonymous"></script>
```



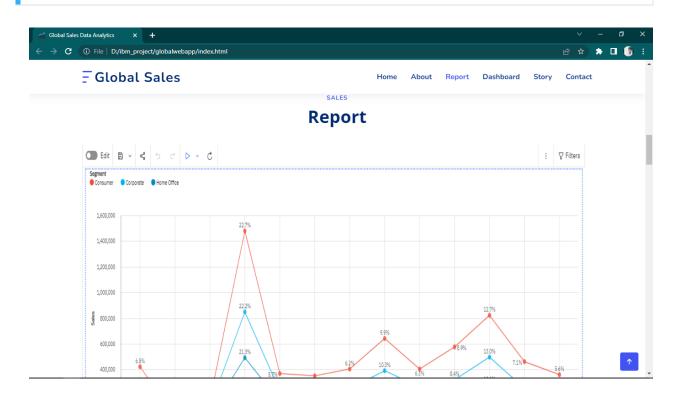
Feature 2 - Embedding dashboard to web app:

1 <iframe
 src="https://us1.ca.analytics.ibm.com/bi/?perspective=dashb
 oard&pathRef=.my_folders%2Fglobalsale%2FGlobalsales_Das
 hboard&closeWindowOnLastView=true&ui_appbar=false&a
 mp;ui_navbar=false&shareMode=embedded&action=view&a
 mp;mode=dashboard&subView=model000001847746ca80_0000000
0" width="1200" height="1000" frameborder="0"
 gesture="media" allow="encrypted-media"
 allowfullscreen=""></iframe>



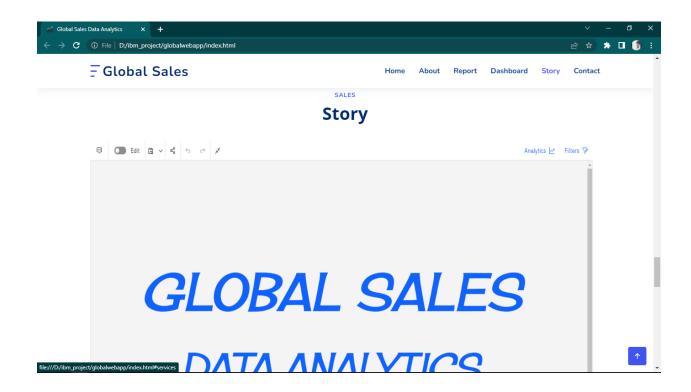
Feature 3 - Embedding report to web app:

1 <iframe
 src="https://us1.ca.analytics.ibm.com/bi/?pathRef=.my_folde
 rs%2Fglobalsale%2FGlobalsales_Report&closeWindowOnLastV
 iew=true&ui_appbar=false&ui_navbar=false&shareM
 ode=embedded&action=edit" width="1300" height="1000"
 frameborder="0" gesture="media" allow="encrypted-media"
 allowfullscreen=""></iframe>



Feature 4 - Embedding story to web app:

1 <iframe
 src="https://us1.ca.analytics.ibm.com/bi/?perspective=story
 &pathRef=.my_folders%2Fglobalsale%2FNew%2Bstory&clo
 seWindowOnLastView=true&ui_appbar=false&ui_navbar=f
 alse&shareMode=embedded&action=view&sceneId=mod
 el000001847a103dc5_00000000&sceneTime=600" width="1300"
 height="1000" frameborder="0" gesture="media"
 allow="encrypted-media" allowfullscreen=""></iframe>



8. TESTING

8.1 Test Cases

Test Scenarios

- Verify user able to see login page
- Verify user able to login to application or not?
- Verify user able to navigate to create your account page?
- Verify user able to recovery password
- Verify login page elements

Access visualizations

- User able to see dashboard
- User able to see report
- User able to see stories

8.2 User Acceptance Testing

Defect Analysis:

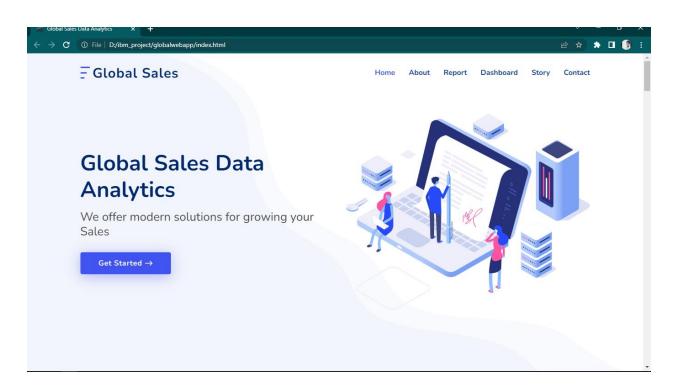
Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	5	2	1	1	9
Duplicate	0	0	0	0	0
External	2	3	0	1	6
Fixed	4	1	2	2	9
Not Reproduced	0	0	0	0	0
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	11	6	3	4	24

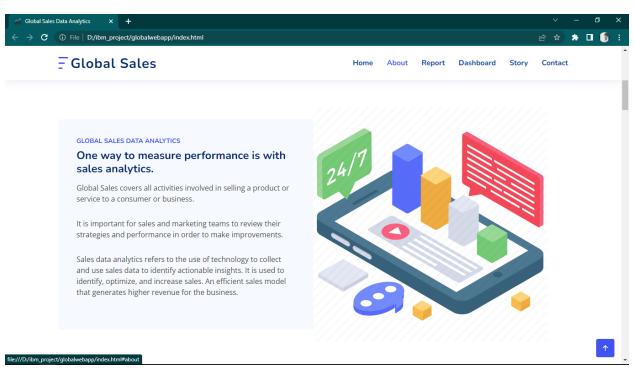
Test Case Analysis:

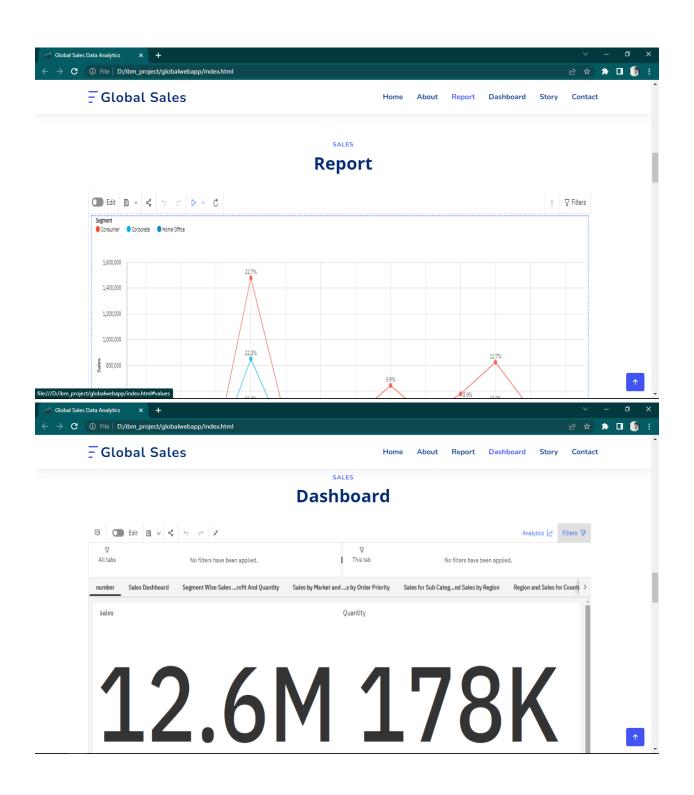
Section	Total Cases	Not Tested	Fail	Pass
Print Engine	0	0	0	0
Client Application	6	0	0	6
Security	0	0	0	0
Outsource Shipping	0	0	0	0
Exception Reporting	7	0	0	7
Final ReportOutput	0	0	0	0
Version Control	0	0	0	0

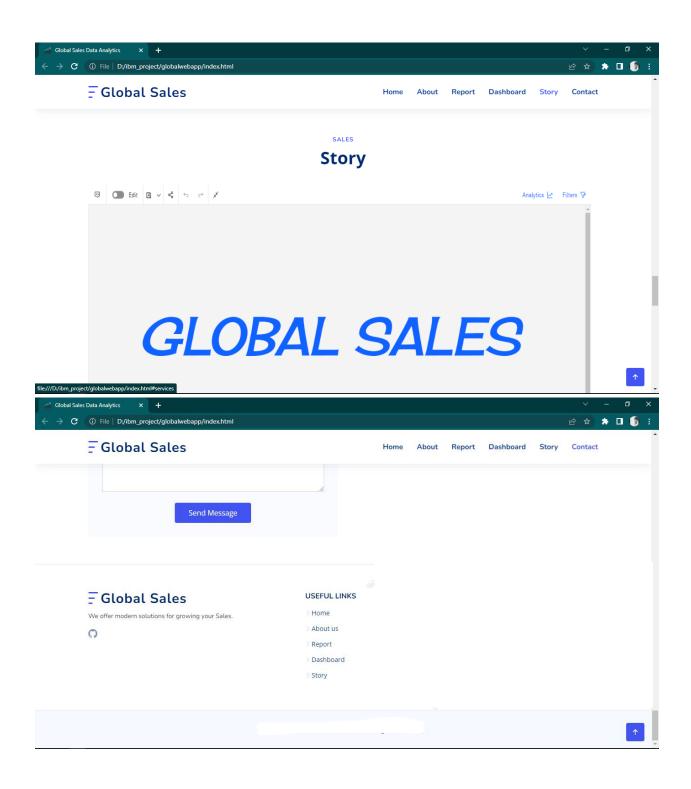
9. RESULTS

Screenshots of web application:









10. ADVANTAGES & DISADVANTAGES

Advantages:

- It is used to identify, optimize, and forecast sales.
- Sales data will help a company to take a future decision in terms of inventory management, marketing activities, schemes or offers to be rolled and changes in manufacturing processes if applicable.
- An efficient sales model that generates higher revenue for the business.
- Better prediction, Profit function performance.
- Helps to review their strategies and performance in order to make improvements.

Disadvantages:

- Sales pattern can be changed
- insufficient data may lead to wrong path.
- data may have been collected for historical reasons may not be suitable to answer the questions that we ask today.
- business users do not see results immediately

11. CONCLUTION

Analyzing sales helps businesses in understanding their most profitable products and the ones that are not moving, most profitable customers, and potential sales opportunities thereby providing sales which match customer needs and meets their satisfaction. An efficient sales model that generates higher revenue for the business. It helps in the perception of profit about particular product and perception of sales in different locations and times.

12. FUTURE SCOPE

Use the technology to collect and use sales data to derive actionable insights. It is used to identify, optimize, and forecast sales. An efficient sales model that generates higher revenue for the business. An efficient sales model that generates higher revenue for the business.

13. APPENDIX

13.1 Source Code

kaggle api to gather the dataset

```
1 !pip install -q kaggle
2 !mkdir ~/.kaggle
3 !cp kaggle.json ~/.kaggle/
4 !kaggle datasets download -d mrhatrider/glabalsales
5 !unzip /content/glabalsales.zip
```

index.html

```
1 <!DOCTYPE html>
2 <html lang="en">
3
    <head>
      <meta charset="utf-8" />
4
      <meta content="width=device-width, initial-scale=1.0"</pre>
5
  name="viewport" />
6
7
      <title>Global Sales Data Analytics</title>
      <meta content="" name="description" />
8
9
10
      <meta content="" name="keywords" />
11
      <!-- Favicons -->
12
      <link href="assets/img/favicon.png" rel="icon" />
13
      <link href="assets/img/apple-touch-icon.png" rel="apple-</pre>
14
  touch-icon" />
15
16
      <!-- Google Fonts -->
      k
17
18
  href="https://fonts.googleapis.com/css?family=Open+Sans:300
  ,300i,400,400i,600,600i,700,700i|Nunito:300,300i,400,400i,6
  00,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600
  i,700,700i"
       rel="stylesheet"
19
20
      />
```

```
21
22
      <!-- Vendor CSS Files -->
23
      <link href="assets/vendor/aos/aos.css" rel="stylesheet"</pre>
  />
      k
24
25
        href="assets/vendor/bootstrap/css/bootstrap.min.css"
26
        rel="stylesheet"
27
      />
28
      k
29
        href="assets/vendor/bootstrap-icons/bootstrap-
  icons.css"
        rel="stylesheet"
30
31
      />
32
      k
        href="assets/vendor/glightbox/css/glightbox.min.css"
33
        rel="stylesheet"
34
35
      />
      k
36
                  href="assets/vendor/remixicon/remixicon.css"
  rel="stylesheet" />
37
      <link href="assets/vendor/swiper/swiper-bundle.min.css"</pre>
  rel="stylesheet" />
38
      <!-- Main CSS File -->
39
      <link href="assets/css/style.css" rel="stylesheet" />
40
    </head>
41
42
43
    <body>
44
      <!-- ===== Header ===== -->
      <header id="header" class="header fixed-top">
45
46
        <div
47
          class="container-fluid container-xl d-flex align-
  items-center justify-content-between"
48
        >
49
          <a href="index.html" class="logo d-flex align-items-</pre>
  center">
```

```
50
           <img src="assets/img/logo.png" alt="" />
51
           <span>Global Sales
52
         </a>
53
         <nav id="navbar" class="navbar">
54
55
           ul>
56
             <a class="nav-link scrollto"
                                                   active"
  href="#hero">Home</a>
57
             <a
                           class="nav-link
                                                 scrollto"
  href="#about">About</a>
             <a
                           class="nav-link
                                                 scrollto"
58
  href="#values">Report</a>
59
             <a
                           class="nav-link
                                                 scrollto"
  href="#features">Dashboard</a>
             <a
                                                 scrollto"
60
                           class="nav-link
  href="#services">Story</a>
61
             <a
                           class="nav-link
                                                 scrollto"
  href="#contact">Contact</a>
62
           63
           <i class="bi bi-list mobile-nav-toggle"></i></i>
64
         </nav>
         <!-- .navbar -->
65
       </div>
66
      </header>
67
      <!-- End Header -->
68
69
70
      <!-- ===== Hero Section ====== -->
71
      <section id="hero" class="hero d-flex align-items-</pre>
  center">
72
       <div class="container">
73
         <div class="row">
74
           <div class="col-lg-6 d-flex flex-column justify-</pre>
  content-center">
             <h1 data-aos="fade-up">Global
                                              Sales
75
                                                      Data
  Analytics</h1>
```

```
76
               <h2 data-aos="fade-up" data-aos-delay="400">
77
                 We offer modern solutions for growing your
  Sales
               </h2>
78
               <div data-aos="fade-up" data-aos-delay="600">
79
80
                 <div class="text-center text-lg-start">
81
                   <a
82
                     href="#about"
83
                     class="btn-get-started scrollto d-inline-
  flex align-items-center justify-content-center align-self-
  center"
                   >
84
                     <span>Get Started</span>
85
86
                     <i class="bi bi-arrow-right"></i></i>
87
                   </a>
                 </div>
88
               </div>
89
             </div>
90
             <div
91
92
               class="col-lg-6 hero-img"
               data-aos="zoom-out"
93
               data-aos-delay="200"
94
95
96
               <img src="assets/img/hero-img.png" class="img-</pre>
  fluid" alt="" />
97
             </div>
98
           </div>
99
        </div>
100
        </section>
        <!-- End Hero -->
101
102
       <main id="main">
103
          <!-- ===== About Section ====== -->
104
          <section id="about" class="about">
105
106
            <div class="container" data-aos="fade-up">
```

```
107
             <div class="row gx-0">
108
               <div
                 class="col-lg-6 d-flex flex-column justify-
109
  content-center"
                 data-aos="fade-up"
110
111
                 data-aos-delay="200"
112
113
                 <div class="content">
114
                   <h3>Global Sales Data Analytics</h3>
115
                   <h2>One way to measure performance is with
  sales analytics.</h2>
116
                   >
117
                     Global Sales covers all
                                                   activities
  involved in selling a
118
                     product or service to a consumer or
  business.
119
                   120
                   >
121
                     It is important for sales and marketing
  teams to review their
                     strategies and performance in order to
122
  make improvements.
123
                   124
                   >
125
                     Sales data analytics refers to the use of
  technology to
126
                     collect and use sales data to identify
  actionable insights. It
127
                     is
                               to identify, optimize,
                         used
  increase sales. An
128
                     efficient sales model
                                              that generates
  higher revenue for the
                     business.
129
                   130
131
                 </div>
```

```
132
                </div>
133
                <div
134
                  class="col-lg-6 d-flex align-items-center"
135
                  data-aos="zoom-out"
136
137
                  data-aos-delay="200"
138
139
                  <img src="assets/img/32-512.webp" class="img-</pre>
  fluid" alt="" />
                </div>
140
              </div>
141
142
            </div>
143
          </section>
144
          <!-- End About Section -->
145
          <!-- ===== Counts Section ====== -->
146
          <section id="counts" class="counts">
147
            <div class="container" data-aos="fade-up">
148
              <div class="row gy-4">
149
                <div class="col-lg-3 col-md-6">
150
                  <div class="count-box">
151
                    <i class="bi bi-star-fill"></i></i>
152
                    <div>
153
154
                       <span
155
                         data-purecounter-start="0"
156
                        data-purecounter-end="12.6"
157
                        data-purecounter-duration="1"
158
                        class="purecounter"
159
                      ></span>
160
                       Sales(millions)
161
                    </div>
                  </div>
162
163
                </div>
164
165
                <div class="col-lg-3 col-md-6">
```

```
<div class="count-box">
166
167
                     <i class="bi bi-star-fill"></i></i>
                     <div>
168
169
                       <span
170
                         data-purecounter-start="0"
171
                         data-purecounter-end="1.6"
172
                         data-purecounter-duration="1"
173
                         class="purecounter"
174
                       ></span>
175
                       Profit (millions)
                     </div>
176
                  </div>
177
178
                </div>
179
                <div class="col-lg-3 col-md-6">
180
                   <div class="count-box">
181
                     <i class="bi bi-star-fill"></i></i>
182
183
                     <div>
184
                       <span
185
                         data-purecounter-start="0"
186
                         data-purecounter-end="17.86"
187
                         data-purecounter-duration="1"
                         class="purecounter"
188
189
                       ></span>
190
                       Quantity (millions)
                     </div>
191
                  </div>
192
193
                </div>
194
195
                <div class="col-lg-3 col-md-6">
196
                  <div class="count-box">
197
                     <i class="bi bi-star-fill"></i></i></or>
                     <div>
198
199
                       <span
200
                         data-purecounter-start="0"
```

```
201
                       data-purecounter-end="1.6"
202
                       data-purecounter-duration="1"
                       class="purecounter"
203
204
                     ></span>
                     Sales cost (millions)
205
206
                   </div>
207
                 </div>
208
               </div>
209
             </div>
           </div>
210
         </section>
211
         <!-- End Counts Section -->
212
213
214
         <!-- ===== Values Section ====== -->
         <section id="values" class="values">
215
           <div class="container" data-aos="fade-up">
216
             <header class="section-header">
217
               <h2>Sales</h2>
218
               Report
219
             </header>
220
             <iframe
221
222
  src="https://us1.ca.analytics.ibm.com/bi/?pathRef=.my_folde
  rs%2Fglobalsale%2FGlobalsales_Report&closeWindowOnLastV
  iew=true&ui_appbar=false&ui_navbar=false&shareM
  ode=embedded&action=edit"
               width="1300"
223
224
               height="1000"
               frameborder="0"
225
226
               gesture="media"
227
               allow="encrypted-media"
               allowfullscreen=""
228
             ></iframe>
229
230
             <div class="row">
231
```

```
<div class="col-lg-4" data-aos="fade-up" data-</pre>
232
  aos-delay="200">
                 <div class="box">
233
234
                              src="assets/img/values-1.png"
                   <img
  class="img-fluid" alt="" />
235
                   <h3>Report</h3>
236
                   >
237
                     sorting and organization of data, while
  analytics derive
238
                                                         often
                     insights from that data
                                                   and
  influence business
                     decisions.
239
240
                   241
                 </div>
               </div>
242
243
               <div
244
                 class="col-lg-4 mt-4 mt-lg-0"
245
                 data-aos="fade-up"
246
                 data-aos-delay="400"
247
248
                 <div class="box">
249
                            src="assets/img/values-2.png"
250
  class="img-fluid" alt="" />
251
                   <h3>Stroy</h3>
252
                   >
253
                          methodology for communicating
                     а
  information, tailored to a
                     specific audience, with a compelling
254
  narrative.
255
                   </div>
256
257
               </div>
258
259
               <div
```

```
260
                 class="col-lg-4 mt-4 mt-lg-0"
261
                 data-aos="fade-up"
                 data-aos-delay="600"
262
263
                 <div class="box">
264
265
                   <img
                                 src="assets/img/values-3.png"
  class="img-fluid" alt="" />
                   <h3>Dashboard</h3>
266
267
                   >
268
                       tool used to multi-task, organize,
  visualize, analyze, and
269
                     track data. View automatically
                                                       updated
  data with interactive
                     charts, graphs and tables.
270
271
                   272
                 </div>
               </div>
273
             </div>
274
           </div>
275
276
         </section>
         <!-- End Values Section -->
277
278
         <!-- ===== Features Section ====== -->
279
         <section id="features" class="features">
280
           <div class="container" data-aos="fade-up">
281
             <header class="section-header">
282
283
               <h2>Sales</h2>
284
               Dashboard
             </header>
285
286
             <iframe
287
  src="https://us1.ca.analytics.ibm.com/bi/?perspective=dashb
  oard&pathRef=.my_folders%2Fglobalsale%2FGlobalsales_Das
  hboard&closeWindowOnLastView=true&ui_appbar=false&a
  mp;ui_navbar=false&shareMode=embedded&action=view&a
```

```
mp;mode=dashboard&subView=model000001847746ca80_0000000
  ⊕"
                width="1200"
288
289
                height="1000"
                frameborder="0"
290
291
                gesture="media"
292
                allow="encrypted-media"
                allowfullscreen=""
293
              ></iframe>
294
295
              <div class="row">
296
                <div class="col-lg-6 mt-5 mt-lg-0 d-flex">
297
298
                  <div class="row align-self-center gy-4">
                     <div class="col-md-6" data-aos="zoom-out"</pre>
299
  data-aos-delay="200">
                       <div class="feature-box d-flex</pre>
300
                                                           align-
  items-center">
                        <i class="bi bi-check"></i>
301
302
                         <h3>Segment Wise Sales , Profit And
  Quantity</h3>
                      </div>
303
                    </div>
304
305
                     <div class="col-md-6" data-aos="zoom-out"</pre>
306
  data-aos-delay="300">
307
                       <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
308
                        <i class="bi bi-check"></i>
309
                         <h3>Sales By Market</h3>
310
                       </div>
311
                    </div>
312
313
                     <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="400">
```

```
<div class="feature-box d-flex align-</pre>
314
  items-center">
                        <i class="bi bi-check"></i>
315
                        <h3>Sales By Sub Category And Sales By
316
  Region</h3>
317
                      </div>
318
                    </div>
319
320
                    <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="500">
321
                      <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
322
                        <i class="bi bi-check"></i>
323
                        <h3>Country Wise Sales Using Map
  Points</h3>
324
                      </div>
325
                    </div>
326
                    <div class="col-md-6" data-aos="zoom-out"</pre>
327
  data-aos-delay="600">
328
                      <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
                        <i class="bi bi-check"></i>
329
                        <h3>
330
331
                          Sub Category Wise Sales And Profits
  Using Line And Bar
332
                          Chart
333
                        </h3>
                      </div>
334
                    </div>
335
336
                    <div class="col-md-6" data-aos="zoom-out"
337
  data-aos-delay="700">
                      <div class="feature-box d-flex align-</pre>
338
  items-center">
```

```
339
                         <i class="bi bi-check"></i>
340
                         <h3>
                           Sales Vs Profit Scatter Plot With Sub
341
  Categories And
342
                           Regions
343
                         </h3>
344
                       </div>
345
                    </div>
346
                    <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="700">
347
                       <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
348
                         <i class="bi bi-check"></i>
349
                         <h3>Sales Dashboard</h3>
350
                       </div>
                    </div>
351
352
                  </div>
                </div>
353
354
                <div class="col-lg-6 mt-5 mt-lg-0 d-flex">
355
                  <div class="row align-self-center gy-4">
356
                     <div class="col-md-6" data-aos="zoom-out"</pre>
357
  data-aos-delay="200">
358
                       <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
                         <i class="bi bi-check"></i>
359
360
                         <h3>Regional
                                          Sales And
                                                           Profit
  Forecast</h3>
361
                       </div>
362
                    </div>
363
                     <div class="col-md-6" data-aos="zoom-out"</pre>
364
  data-aos-delay="300">
                      <div class="feature-box d-flex</pre>
365
                                                           align-
  items-center">
```

```
<i class="bi bi-check"></i>
366
367
                        <h3>Sales Forecast By Order
  Priority</h3>
                      </div>
368
                    </div>
369
370
371
                    <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="400">
                      <div class="feature-box d-flex</pre>
                                                         align-
  items-center">
                        <i class="bi bi-check"></i>
373
374
                        <h3>Sales
                                              Sub Category
                                       Ву
  Analytics</h3>
375
                      </div>
                    </div>
376
377
378
                    <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="500">
                      <div class="feature-box d-flex</pre>
379
                                                         align-
  items-center">
380
                        <i class="bi bi-check"></i>
                        <h3>Regional Quantity using Radar
381
  Chart</h3>
382
                      </div>
                    </div>
383
384
                    <div class="col-md-6" data-aos="zoom-out"</pre>
385
  data-aos-delay="500">
                      <div class="feature-box d-flex</pre>
386
                                                         align-
  items-center">
387
                        <i class="bi bi-check"></i>
388
                        <h3>profit Forecast
                                                 using
                                                          Radar
  Chart</h3>
                      </div>
389
                    </div>
390
```

```
391
392
                    <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="600">
393
                      <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
394
                        <i class="bi bi-check"></i>
395
                        <h3>Sales Vs Profit By Countries</h3>
                       </div>
396
397
                    </div>
398
399
                    <div class="col-md-6" data-aos="zoom-out"</pre>
  data-aos-delay="700">
400
                       <div class="feature-box d-flex</pre>
                                                           align-
  items-center">
                         <i class="bi bi-check"></i>
401
402
                         <h3>Country Wise Sales Vs Profit Using
  Word Cloud</h3>
                       </div>
403
                    </div>
404
                  </div>
405
406
                </div>
              </div>
407
              <!-- / row -->
408
            </div>
409
410
          </section>
          <!-- End Features Section -->
411
412
413
          <!-- ===== Services Section ====== -->
          <section id="services" class="services">
414
            <div class="container" data-aos="fade-up">
415
416
              <header class="section-header">
                <h2>Sales</h2>
417
418
                Story
              </header>
419
              <iframe
420
```

```
421
  src="https://us1.ca.analytics.ibm.com/bi/?perspective=story
  &pathRef=.my_folders%2Fglobalsale%2FNew%2Bstory&clo
  seWindowOnLastView=true&ui_appbar=false&ui_navbar=f
  alse& shareMode=embedded& action=view& sceneId=mod
  el000001847a103dc5_00000000&sceneTime=600"
               width="1300"
422
423
               height="1000"
424
               frameborder="0"
               gesture="media"
425
426
               allow="encrypted-media"
               allowfullscreen=""
427
428
             ></iframe>
429
           </div>
430
         </section>
         <!-- End Services Section -->
431
432
433
         <!-- ===== F.A.Q Section ====== -->
         <section id="faq" class="faq">
434
           <div class="container" data-aos="fade-up">
435
             <header class="section-header">
436
               <h2>F.A.Q</h2>
437
438
               Frequently Asked Questions
439
             </header>
440
             <div class="row">
441
442
               <div class="col-lg-6">
443
                 <!-- F.A.Q List 1-->
                 <div
                         class="accordion accordion-flush"
444
  id="faqlist1">
445
                   <div class="accordion-item">
                     <h2 class="accordion-header">
446
447
                       <button
448
                         class="accordion-button collapsed"
449
                         type="button"
```

```
450
                          data-bs-toggle="collapse"
451
                          data-bs-target="#faq-content-1"
452
                          When does the issue occur?
453
454
                        </button>
455
                      </h2>
456
                      <div
457
                        id="faq-content-1"
458
                        class="accordion-collapse collapse"
459
                        data-bs-parent="#faqlist1"
460
                      >
                        <div class="accordion-body">
461
462
                                      shopping
                          Consumers
                                                 patterns
                                                             have
  changed since the
                          pandemic, with more emphasis on e-
463
  commerce and contactless
464
                          payments.
465
                        </div>
                      </div>
466
467
                    </div>
468
                    <div class="accordion-item">
469
470
                      <h2 class="accordion-header">
471
                        <button
472
                           class="accordion-button collapsed"
473
                          type="button"
474
                          data-bs-toggle="collapse"
475
                          data-bs-target="#faq-content-2"
476
477
                          Where does the issue occur?
478
                        </button>
                      </h2>
479
                      <div
480
481
                        id="faq-content-2"
482
                        class="accordion-collapse collapse"
```

```
483
                        data-bs-parent="#faqlist1"
484
485
                        <div class="accordion-body">
486
                          The issue occurs on online shopping.
487
                        </div>
488
                      </div>
489
                    </div>
490
                    <div class="accordion-item">
491
                      <h2 class="accordion-header">
492
493
                        <button
494
                           class="accordion-button collapsed"
495
                          type="button"
                          data-bs-toggle="collapse"
496
497
                          data-bs-target="#faq-content-3"
498
                        >
499
                          Why is it important that we fix the
  problem?
                        </button>
500
501
                      </h2>
502
                      <div
                        id="faq-content-3"
503
504
                        class="accordion-collapse collapse"
                        data-bs-parent="#faqlist1"
505
506
                      >
                        <div class="accordion-body">
507
508
                          Data-driven sales organizations now
  operate more like
509
                          scientists and strategists, and the
  results speak for
                          themselves.
510
                        </div>
511
                      </div>
512
                    </div>
513
514
                  </div>
```

```
515
                </div>
516
                <div class="col-lg-6">
517
                  <!-- F.A.Q List 2-->
518
                  <div class="accordion accordion-flush"</pre>
519
  id="faqlist2">
520
                    <div class="accordion-item">
                      <h2 class="accordion-header">
521
522
                         <button
523
                           class="accordion-button collapsed"
524
                          type="button"
525
                          data-bs-toggle="collapse"
526
                          data-bs-target="#faq2-content-1"
527
528
                          Who does the problem affect??
529
                         </button>
530
                      </h2>
                      <div
531
                        id="faq2-content-1"
532
533
                        class="accordion-collapse collapse"
534
                        data-bs-parent="#faqlist2"
535
                         <div class="accordion-body">
536
                           It will affect both the customer and
537
  the store.
538
                         </div>
                      </div>
539
540
                    </div>
541
542
                    <div class="accordion-item">
                      <h2 class="accordion-header">
543
544
                         <button
545
                           class="accordion-button collapsed"
                          type="button"
546
547
                           data-bs-toggle="collapse"
```

```
548
                          data-bs-target="#faq2-content-2"
549
                                 are the boundaries of the
550
                          What
  problem?
551
                        </button>
552
                      </h2>
553
                      <div
554
                        id="faq2-content-2"
555
                        class="accordion-collapse collapse"
556
                        data-bs-parent="#faqlist2"
557
                      >
                        <div class="accordion-body">
558
559
                          Low data proficiency among sales will
  greatly limits the
560
                          value of
                                      analytical insights
                                                             and
  inhibits data-driven
                          decision making.
561
                        </div>
562
                      </div>
563
                    </div>
564
565
                    <div class="accordion-item">
566
567
                      <h2 class="accordion-header">
568
                        <button
569
                          class="accordion-button collapsed"
570
                          type="button"
571
                          data-bs-toggle="collapse"
572
                          data-bs-target="#faq2-content-3"
573
574
                          What is the issue?
575
                        </button>
                      </h2>
576
                      <div
577
                        id="faq2-content-3"
578
579
                        class="accordion-collapse collapse"
```

```
580
                        data-bs-parent="#faqlist2"
581
                        <div class="accordion-body">
582
583
                                                      profitable
                          Cannot
                                    identify
                                               most
  products and the ones that
584
                          aren't
                                   moving,
                                                      profitable
                                              most
  customers, and potential
585
                          sales opportunities.
586
                        </div>
                      </div>
587
588
                    </div>
                  </div>
589
590
                </div>
591
              </div>
            </div>
592
          </section>
593
          <!-- End F.A.O Section -->
594
595
          <!-- ===== Contact Section ====== -->
596
597
          <section id="contact" class="contact">
            <div class="container" data-aos="fade-up">
598
              <header class="section-header">
599
                <h2>Contact</h2>
600
                Contact Us
601
602
              </header>
603
              <div class="row gy-4">
604
                <div class="col-lg-6">
605
                  <form
606
607
                    action="forms/contact.php"
608
                    method="post"
                    class="php-email-form"
609
610
                    <div class="row gy-4">
611
                      <div class="col-md-6">
612
```

```
<input
613
614
                           type="text"
615
                           name="name"
                           class="form-control"
616
                           placeholder="Your Name"
617
618
                           required
619
                         />
                       </div>
620
621
622
                       <div class="col-md-6">
623
                         <input
624
                           type="email"
625
                           class="form-control"
                           name="email"
626
                           placeholder="Your Email"
627
                           required
628
629
                         />
630
                       </div>
631
632
                       <div class="col-md-12">
633
                         <input</pre>
634
                           type="text"
635
                           class="form-control"
636
                           name="subject"
                           placeholder="Subject"
637
                           required
638
639
                         />
                       </div>
640
641
642
                       <div class="col-md-12">
643
                         <textarea
644
                           class="form-control"
645
                           name="message"
                           rows="6"
646
                           placeholder="Message"
647
```

```
648
                          required
649
                        ></textarea>
                      </div>
650
651
                      <div class="col-md-12 text-center">
652
653
                        <div class="loading">Loading</div>
654
                        <div class="error-message"></div>
655
                        <div class="sent-message">
656
                          Your message has been sent. Thank you!
                        </div>
657
658
659
                                              type="submit">Send
                        <button
  Message</button>
660
                      </div>
                    </div>
661
662
                  </form>
663
                </div>
              </div>
664
            </div>
665
666
          </section>
667
          <!-- End Contact Section -->
668
        </main>
       <!-- End #main -->
669
670
671
        <!-- ===== Footer ====== -->
        <footer id="footer" class="footer">
672
          <div class="footer-top">
673
            <div class="container">
674
              <div class="row gy-4">
675
676
                <div class="col-lg-5 col-md-12 footer-info">
677
                       href="index.html" class="logo
  align-items-center">
                    <img src="assets/img/logo.png" alt="" />
678
                    <span>Global Sales
679
680
                  </a>
```

```
We offer modern solutions for growing your
681
  Sales.
                  <div class="social-links mt-3">
682
683
                    <a
684
                      href="https://github.com/IBM-EPBL/IBM-
  Project-41948-1660646436"
685
                     class="github"
686
                     ><i class="bi bi-github"></i</pre>
687
                   ></a>
                  </div>
688
               </div>
689
690
691
               <div class="col-lg-2 col-6 footer-links">
692
                  <h4>Useful Links</h4>
                 <l
693
                    <
694
                      <i class="bi bi-chevron-right"></i></i>
695
  href="#home">Home</a>
696
                   <
697
698
                      <i class="bi bi-chevron-right"></i></i>
                      <a href="#about">About us</a>
699
                    700
                    <
701
702
                      <i class="bi bi-chevron-right"></i></i>
703
                      <a href="#values">Report</a>
704
                    <
705
                      <i class="bi bi-chevron-right"></i></i>
706
707
                      <a href="#features">Dashboard</a>
708
                    <
709
710
                      <i class="bi bi-chevron-right"></i></i>
                      <a href="#services">Story</a>
711
712
```

```
713
714
               </div>
715
               <div
716
717
                 class="col-lg-3 col-md-12 footer-contact
  text-center text-md-start"
718
               >
719
                  <h4>Team Details</h4>
720
                 >
721
                   Team Id: PNT2022TMID41225 <br />
                   Dharmeshprasad R<br />
722
723
                   Suriya prakash G<br />
724
                   Aravindhan T<br />
725
                   Tamilvanan N<br />
                   Muthamil selvan MS<br />
726
727
                 </div>
728
             </div>
729
730
           </div>
         </div>
731
732
         <div class="container">
733
           <div class="copyright">
734
735
                                                     Copyright
             ©
  <strong><span>PNT2022TMID41225/strong
736
             >. All Rights Reserved
           </div>
737
738
         </div>
     </footer>
739
740
       <!-- End Footer -->
741
742
       <a
         href="#"
743
744
         class="back-to-top d-flex align-items-center justify-
  content-center"
```

```
><i class="bi bi-arrow-up-short"></i</pre>
745
746
       ></a>
747
       <!-- Vendor JS Files -->
748
749
       <script
  src="assets/vendor/purecounter/purecounter_vanilla.js"></sc</pre>
  ript>
750
        <script src="assets/vendor/aos/aos.js"></script>
751
        <script
  src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js">
  script>
752
       <script
  src="assets/vendor/glightbox/js/glightbox.min.js"></script>
                                    src="assets/vendor/isotope-
753
       <script
  layout/isotope.pkgd.min.js"></script>
                              src="assets/vendor/swiper/swiper-
       <script
  bundle.min.js"></script>
                                src="assets/vendor/php-email-
755
       <script
  form/validate.js"></script>
756
757
      <!-- Main JS File -->
    <script src="assets/js/main.js"></script>
758
759
    </body>
760 </html>
761
```

13.2 Github & Project Demo Link:

GitHub:

Link: <u>IBM-EPBL/IBM-Project-30492-1660147414</u>: <u>Global Sales Data Analytics (github.com)</u>

Demo link: <u>IBM-EPBL/IBM-Project-30492-1660147414</u>: <u>Global Sales Data Analytics</u> (github.com)