

# GLOBAL SALES DATA ANALYTICS

#### NALAIYA THIRAN - PROJECT REPORT

#### PROJECT ID: PNT2022TMID00625

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Of

# **BACHELOR OF ENGINEERING**

IN

**COMPUTER SCIENCE AND ENGINEERING** 

PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123.

(AN AUTONOMOUS INSTITUTION, AFFILIATED TO ANNA UNIVERSITY)

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### PANIMALAR ENGINEERING COLLEGE, CHENNAI-600123.

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### **BONAFIDE CERTIFICATE**

Certified that this project report "GLOBAL SALES DATA ANALYTICS - PNT2022TMID00625" is the bonafide work of DOMMARAJU POOJITHA (211419104074) KEERTHIKA R (211419104136) S ISNEHA SHANKAR (211419104108) M LINNET BLESSY (211419104147) who carried out the NALAIYA THIRAN project work under the supervision.

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# CHAPTER 1 INTRODUCTION

#### 1.INTRODUCTION

#### 1.1: PROJECT OVERVIEW:

Data analytics is the process of analyzing raw data in order to draw out meaningful ,actionable insights ,which are then used to inform and drive smart business decision sales analytics refers to the technology and processes used to gather sales data and gauge sales performance .Sales leaders use these metrics to set goals ,improve ,internal processes and forecast future sales and revenue more accurately.

#### 1.2: PURPOSE:

Data is being generated very rapidly due to increase in information in everyday life. Huge amount of data gets accumulated from various organizations that is difficult to analyze and exploit. Processing, analyzing and communicating this data are a challenge. Online shopping websites get flooded with voluminous amount of sales data every day. Analyzing and visualizing this data for information retrieval is a difficult task. Therefore, system is required which will effectively analyze and visualize data.

# CHAPTER 2 LITERATURE SURVEY

#### 2.LITERATURE SURVEY

#### 2.1: EXISTING PROBLEM:

The existing problem simply means that you have found a problem with your customer and that the solution you have realized for its actually solves customer's problem. It help entrepreneurs ,marketer and corporate innovators identity behavioral patterns and recognize what would work and why.

#### 2.2: REFERENCE:

- Data mining with its role in marketing, sales support and customer identification data analysis [Mohammed Bin Ali Al Atif, Ahmed H. Shakir, et al, 2022]
- Impact of big data analytics on sales performance in pharmaceutical organizations: The role of customer relationship management capabilities [Muhammad Shahbaz, Lili Zhai, et al, 2021]
- Data Analysis and Visualization of Sales Dataset using Power BI [Ms. Sarika Singh, Ms. Lavina Jadhav, 2022]
- Survey on Growth of Business using Data Analytics for Business Intelligence in RealTime world [Madamanchi Brahmani, Talluri Sreekrishna, 2021]

#### 2.3: PROBLEM STATEMENT DEFINITION:

The Customer Problem Statement helps you focus on what matters to create experiences people will love. A well-articulated customer problem statement allows you and your team to find the ideal solution for the challenges your customers face. Throughout the process, you'll also be able to empathize with your customers, which helps you better understand how they perceive your product or service.

Its job is to gather and interpret data in order to solve a specific problem. Here data sets are examined to draw conclusions about the information they contain. Information is classified to identify and analyze the information and different techniques are there according to organizational requirements. We also called it data analytics.

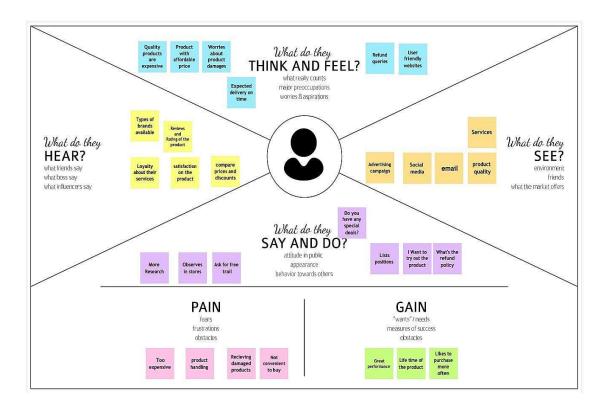
# CHAPTER 3 IDEATION & PROPOSED SOLUTION

#### 3.IDEATION & PROPOSED SOLUTION

#### 3.1: EMPATHY MAP CANVAS:

An empathy map is a simple ,easy to digest visual that captures knowledge about users behavior and attitudes. It is a useful tool to helps teams better understand their users . Creative 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 users perspective along with his or her goals and challenges .

#### Example for gob-al sales data analytics:

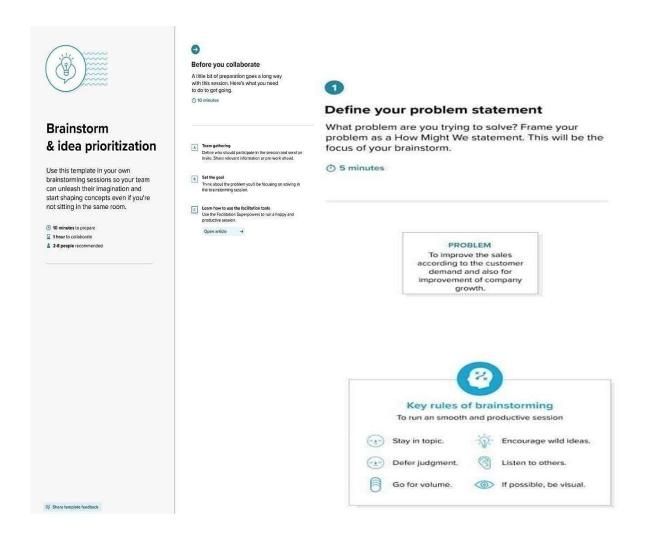


#### 3.2: IDEATION & BRAINSTORMING:

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

Use this template in your own brainstorming sessions so your team can unleash their imagination and start shaping concepts even if you are not in the same room .

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



Step-2: Brainstorm, Idea listing and Grouping

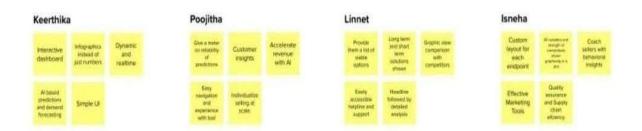


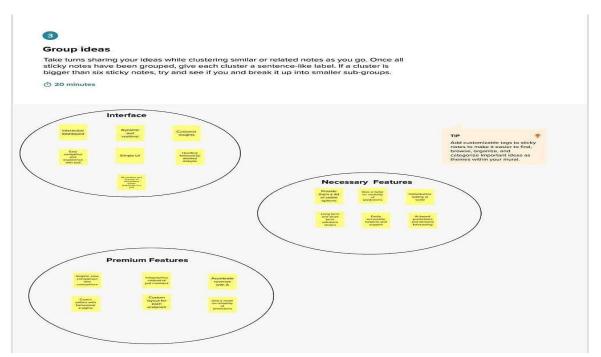
# Brainstorm

Write down any ideas that come to mind that address your problem statement.









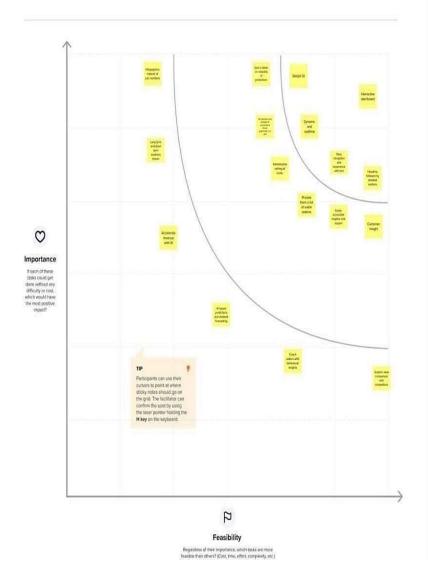
Step-3: Idea prioritization



#### Prioritize

Your team should all be on the same page about what's important moving forward, Place your ideas on this grid to determine which ideas are important and which are feasible.

① 20 minutes





#### After you collaborate

You can export the mural as an image or pdf to share with members of your company who might find it helpful.

#### Quick add-ons

A Share the mural Share a view link to the mural with stakeholders to keep them in the loop about the outcomes of the session.

Export the mural
 Export a copy of the mural as a PNG or PDF to attach to emails, include in slides, or save in your drive.

#### Keep moving forward



#### Strategy blueprint

Define the components of a new idea or strategy.

Open the template +



#### Customer experience journey map

Understand customer needs, motivations, and obstacles for an experience.

Open the template ->



#### Strengths, weaknesses, opportunities & threats

Identify strengths, weaknesses, apportunities, and threats (SWOT) to develop a plan.

Open the template ->

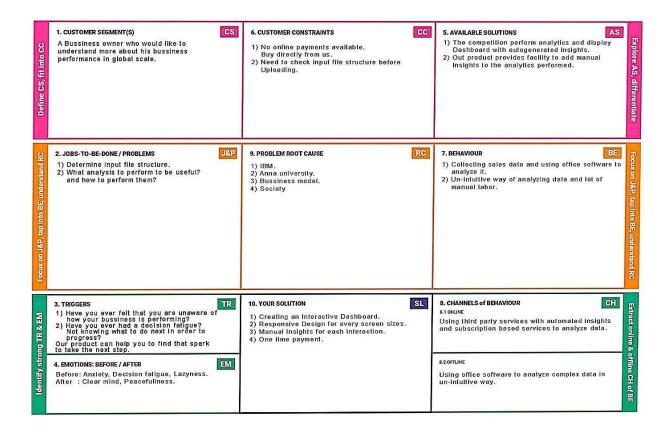
Share template feedback

### 3.3: PROPOSED SOLUTION:

S.no	Parameter	Description
1.	Idea/Solution Description	An easy-to-use ,simple and
		powerful sales analytics
		tool that helps you
		automate and visualize
		sales trends to optimize
		desired outcomes
2.	Novelty/Uniqueness	Dynamic and real time
		analytics
3.	Social Impact/Customer Satisfaction	Make analysis of data
		patterns and trends very
		simple
4.	Business Model	Two tier pricing-
		standard,premium
		1.Standard:limited
		dashboard features
		2.Premium:customized
		dashboard features with
		automated reports
5.	Scalability of the solution	Usable by all e-commerce companies of all scale product based D2Ccompanies.

#### 3.4: PROBLEM SOLUTION FIT:

Problem solution fit simply means that you have found a problem with your customer and the solution you have realized for it actually solves the customer's problem .It helps entrepreneurs ,marketers and corporate innovators identify behavioral patterns and recognize what would work and why .



# CHAPTER 4 REQUIREMENT ANALYSIS

# 4.REQUIREMENTS ANALYSIS

# 4.1: FUNCTIONAL REQUIREMENT:

Fr.No	Functional Requirement (epic)	Sub Requirement (story/subtask)		
Fr-1	User Registration	Registration Through Form Or Gmail		
Fr-2	User Confirmation	Confirmation Via Email/op		
Fr-3	User Login	Login Via Email And Password		
Fr-4	User Uploading Data (administrative)	To Store The Dataset Through The Cloud		
Fr-5	End User Benefits	Getting Higher State Of Efficiency And Also To Know Entire Data Analysis		

# 4.2: NON - FUNCTIONAL REQUIREMENTS:

N fr.No	Non-functional Requirements	Description
Nfr-1	Usability	Optimized Resources And It Can Be Used By Everyone .
Nfr-2	Security	It Has Se-curable Because It Has End To End Encryption
Nfr-3	Reliability	It Has High Reliability Based On Development
Nfr-4	Performance	It Has High State Of Performance And Efficiency
Nfr-5	Availability	It Has Available In All Platforms And

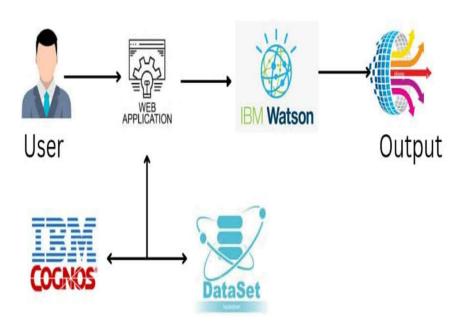
		Websites
Nfr-6	Scalability	The Ability Of The Hardware And
		Software Parallel System To Expo-it
		Increasing Computing Resources
		Efficiency In The Analysis Of The
		Large Datasets

# CHAPTER 5 PROJECT DESIGN

### **5.PROJECT DESIGN**

#### 5.1: DATA FLOW DIAGRAMS:

A Data Flow Diagram (DFD) is a graphical or visual representation using a standardized set of symbols and notations to describe a business's operations through data movement. They are often elements of a formal methodology such as Structured Systems Analysis and Design Method (SSADM). It shows how data enters and leaves the system, what changes the information, and where data is stored.



#### **5.2: SOLUTION AND TECHNICAL ARCHITECTURE:**

Based on the complexity of the deployment, a solution architecture diagram may actually be a set of diagrams documenting various levels of the architecture. The diagram relates the information that you gather on the environment to both spacial and logical choices for your architecture in an easy understood manner.

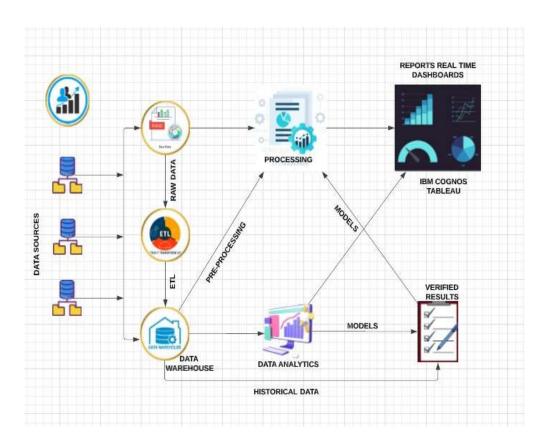


Table-1 : Components and Technologies :

S.NO	Component	Description	Technology
1.	USER	how user interacts with application	IBM Cog nos
	INTERFACE	e.g, Web UI,Mobile app ,Chatbot etc.	
2.	STORAGE	Customer sales data is uploaded in	IBM cloud
	INFRASTRUCTU	cloud through interface	
	RE(CLOUD)		
3.	Working with	uploading ,cleaning and processing	IBM Cognos+IBM
	dataset	dataset	Cloud
4.	Data Exploration	Uploaded data is explored to identify	IBM Cog nos
		trends	
5.	Data	multiple types of graphs are shown	IBM Cog nos
	Visualization	according to customer data and	Dashboard
		requirements	
6.	Cloud Database	Database Service on cloud	IBM DB2 ,IBM Cloud
			ant etc .
7.	Viewing Data	User login to application to view	IBM Cog nos
		visualization for uploaded data	Dashboard

Table-2: Application Characteristics:

S.NO	CHARACTERISTICS	DESCRIPTION	TECHNOLOGY
1.	Open source	List the open source	IBM Cog nos,IBM
	frameworks	frameworks used	Cloud,IBM Watson
2.	Security	Secure user information and	Active Directory
	implementation	data	
3.	Scalable Architecture	Supports various data sizes	Web 3.0 IBM Cloud
4.	Availability	Multi page layout providing	Cog nos Business
		various visualizations of data	Intelligence Server
		and pride full support	
5.	Performance	Withstand huge data and	IBM Cog nos
		process them without	,Performance
		crashing	management HUB

# 5.3: USER STORIES:

User	Functional	User	User	Acceptance	Priority	Release
Туре	Requirement	Story	Story/Task	Criteria		
		Number				
Custom	Registration	Usn-1	As a user ,i can	I can	High	Sprint-1
e(mobile	. region and i		register for the		9	
user)			application by	account		
,			entering my			
			email			
			,password and			
			confirming			
			password			
		Usn-2	As a user ,i will	I can	High	Sprint -1
			receive	receive		
			confirmation	confirmatio		
			email once i	n		
			have registered	email&click		
			for the	confirm		
			application			
		Ham 0	A	1	Low	Conint O
		Usn-3	As a user ,i can		Low	Sprint-2
			register for the			
			application through	access the dashboard		
			facebook	with		
			Iddebook	facebook		
				login		
				10giii		

	Usn-4	As a user, i can register for the application through gmail	Medium	Sprint -1
Login	Usn-5	As a user ,i can log into the application by entering email&passwor d	High	Sprint -1
Dashboard	Usn-6	As a user,i can create the visualization by using the dashboard application	High	Sprint-3

# CHAPTER 6

PROJECT PLANNING & SCHEDULING

# 6.PROJECT PLANNING & SCHEDULING

## 6.1: SPRINT PLANNING & ESTIMATION:

SPRINT	FUNCTIONAL	USER	USER	STORY	PRIORITY	TEAM
	REQUIREMENTS	STORY	STORY/TASK	POINTS		MEMBERS
	(EPIC)	NUMBER				
			As a user,I can			IsnehaShankar
			register for the			Doommaraju
			application by			Poojitha
Sprint-1	Registration	USN-1	entering	2	High	Keerthika
Эринс т	Registration	0011	email,password	2	riigii	Linnet Blessy
			and confirming			
			my password.			
			As a user,I need			IsnehaShankar
			valid			Dommaraju
Sprint-1	Login	USN-2	credentials to	1	High	Poojitha
			log in to my			Keerthika
			application.			Linnet Blessy
			As a user,I need			IsnehaShankar
0 : 14		LIONIO	to gather the	0	1111	Dommaraju
Sprint-1	Data Collection	USN-3	data in the form	2	High	Poojitha
			of CSV/XLS and			Keerthika
			clean the data			Linnet Blessy

Sprint-2	Upload dataset	USN-4	As a user,I can view the data of the products	1	Low	IsnehaShankar Dommaraju Poojitha Keerthika Linnet Blessy
Sprint-2	Data Preparation	USN-5	As a user,I need to filter it for Data visualization	3	High	IsnehaShankar Dommaraju Poojitha Keerthika Linnet Blessy
Sprint-2	Data visualization	USN-6	As a user,I can easily visualize the data in the form of charts.	4	Medium	IsnehaShankar Dommaraju Poojitha Keerthika Linnet Blessy
Sprint-3	Dashboard	USN-7	As a user,I can view the summary of the product sales by the help of dashboar	2	Medium	IsnehaShankar Dommaraju Poojitha Keerthika Linnet Bless y

			As a user,I			IsnehaShankar
			must plan			Dommaraju
			visualizations			Poojitha
Sprint-3	Dashboard	USN-8	in a way that	4	High	Keerthika
			I'm able to gain			Linnet Blessy
			insights			
			regarding the			
			sales based			
			upon the			
			category of			
			sales and the			
			respective			
			region			

			As a user,I must be			IsnehaShankar
0 0		LIONIO	able to gain insights		<b>NA</b> 1:	Dommaraju
Sprint-3	Dashboard	USN-9	from the charts/graphs	4	Medium	Poojitha
			through a variety of			Keerthika
			relationship			Linnet Blessy

			established in the			
			dashboard			
			As a user,I see the			IsnehaShankar
			prediction of the			Dommaraju
Sprint-4	Prediction	USN-10	specific products	4	Medium	Poojitha
			future sales			Keerthika
			expectation.			Linnet Blessy
			expectation.			Elilliet Diessy
			As a user,I can view the			IsnehaShankar
			list of categorized			Dommaraju
			products and their			Poojitha
			details as a report.	_		Keerthika
Sprint-4	Report	USN-11	details as a report.	5	High	
						Linnet Blessy
			As a user,I can view the			IsnehaShankar
			product and customer			Dommaraju
Sprint-4	Story	USN-12	description and more	5	High	Poojitha
			additional information			Keerthika R
			as a story			Linnet Blessy

# **6.2: SPRINT DELIVERY SCHEDULE:**

Sprints	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Plan ned)	Story Points Complete d(as on planned end date)	Sprint Release  Date
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	14	19 Nov 2022

**Velocity:** Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

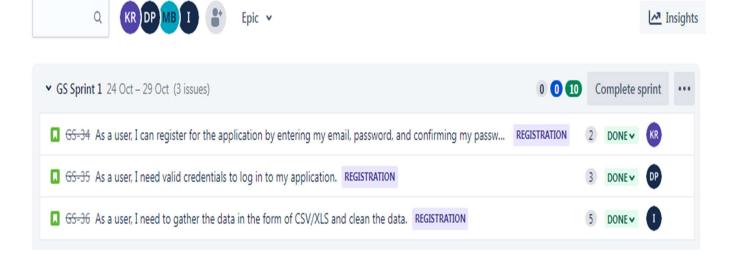
AV = Sprint Duration/Velocity = 20/10 = 2

#### 6.3 REPORTS FROM JIRA:

#### 6.3.1: SPRINTS:

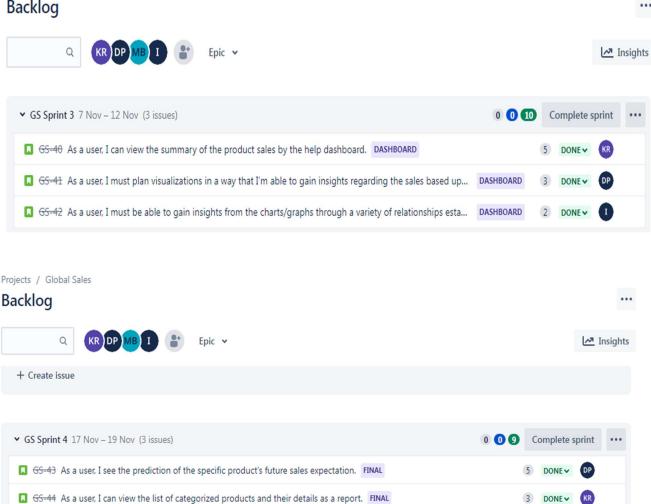
Projects / Global Sales

Backlog



Projects / Global Sales

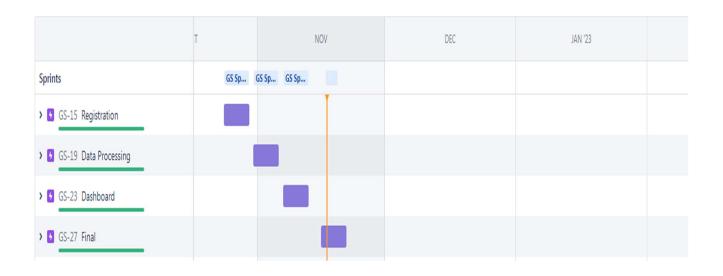




1 DONE V

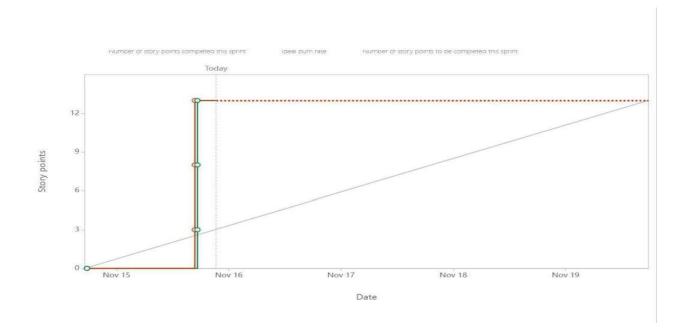
GS-45 As a user, I can view the product and customer description and more additional information as a story. FINAL

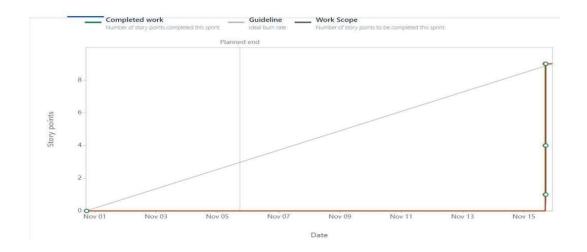
# 6.3.2: ROADMAP:

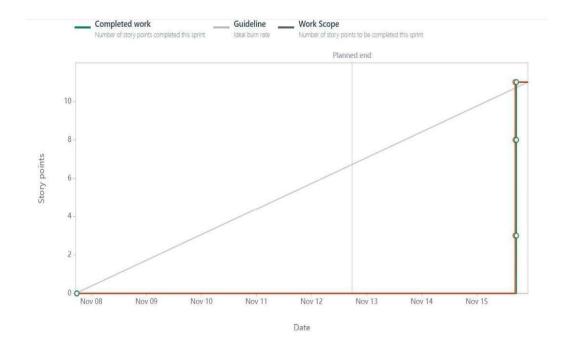


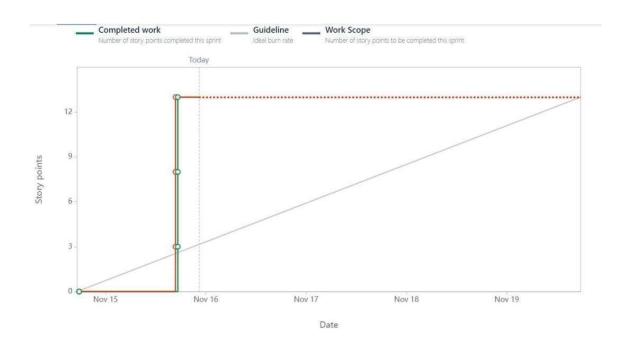
	т	NOV	DEC	JAN '23
Sprints	GS Sp GS Sp GS Sp			
GS-15 Registration  GS-34 As a user, I can re DONE  GS-35 As a user, I need v DONE  GS-36 As a user, I need t DONE				
GS-19 Data Processing GS-38 As a user, I can vi DONE  GS-37 As a user, I need t DONE				
GS-39 As a user, I can ea DONE ● GS-23 Dashboard				
□ GS=40 As a user, I can vi DONE □ □ GS=41 As a user, I must DONE □ □ GS=42 As a user, I must DONE □				
✓ ☑ GS-27 Final				

# 6.3.3: BURNUP CHARTS:

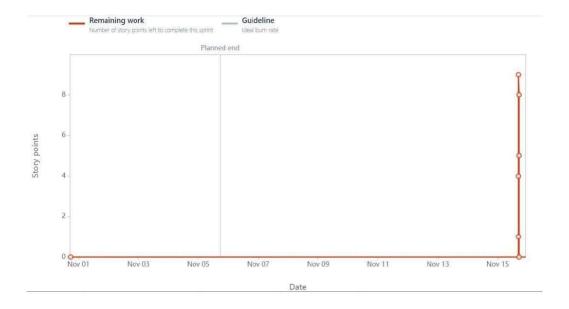


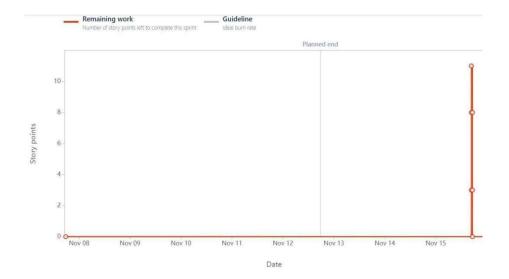


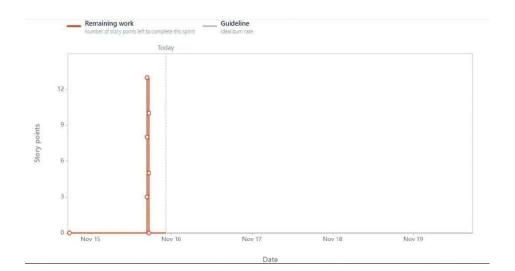




# 6.3.4: BURNDOWN CHARTS:







# CHAPTER 7 CODING & SOLUTIONING

#### 7.CODING & SOLUTIONING

#### 7.1: FEATURE 1:

**Sales – Analysis:** This is an analysis of the sales data with particular focus given to how promotions and advertising translate into sales, in terms of both units sold and sales dollars.

## **Different types of Sales Analysis:**

- Furniture company sales analysis HTML file
- Cereal Company Sales Analysis HTML file
- Financial Statement Analysis PDF file

#### Feature-1:

Step 1: Understand the Business

Step 2: Get Your Data

Step 3: Explore and Clean Your Data

Step 4: Enrich Your Dataset

# CHAPTER 8 TESTING

# 8.TESTING

# 8.1: TEST CASES:

S.NO	PARAMETER	SCREENSHOT/VALUES
1	Dashboard design	No.of visualizations/Graphs-7-8- visualization/6-7 graphs
2	Data Responsiveness	User and Analyst or developers
3	Amount Data to Rendered(DB2  Metrics)	5 countries
4	Utilization of Data Filters	sales,profit,products,market rate and order id filtration
5	Effective user story	No.of.scene Added-30 user stories
6	Descriptive Reports	No.of.Visulizations/Graph-4 visualizations/6 graph

## 8.2: USER ACCEPTANCE TESTING:

**Purpose of Document:** The purpose of this document is to briefly explain the test coverage and open issues of the Global Sales Data Analytics project at the time of the release to User Acceptance Testing (UAT).

**Defect Analysis :** This report shows the number of resolved or closed bugs at each severity level, and how they were resolved

Resolution	Severity 1	Severity 2	Severity 3	Severity 4	Subtotal
By Design	10	4	2	3	20
Duplicate	1	0	3	0	4
External	2	3	0	1	6
Fixed	11	2	4	20	37
Not Reproduced	0	0	1	0	1
Skipped	0	0	1	1	2
Won't Fix	0	0	0	1	1
Totals	24	9	11	26	71

**Test Case Analysis:** This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Fail	Pass
Print Engine	7	0	0	7
Client	51	0	0	51
Application Security	2	0	0	2
Outsource Shipping	3	0	0	3
Exception Reporting	9	0	0	9
Final Report Output	4	0	0	4
Version Control	2	0	0	2

**CHAPTER 9** 

**RESULTS** 

#### 9.RESULTS:

#### 9.1: PERFORMANCE METRICS:

The analysis covered the period from 2012 to 2015, with conversion to the Brazilian currency Real BRL (R\$). Some results:

- The US was the country with the highest profit. The country that presented the biggest loss in sales was Turkey.
- There was greater demand for Superstore products to be shipped via the standard mode.
- The Technology Category presented better results in Profit and Sales.
- The Retail segment performed better for all the years evaluated.

# CHAPTER 10 ADVANTAGES & DISADVANTAGES

#### 10.ADVANTAGES & DISADVANTAGES:

#### **ADVANTAGES:**

#### Marketing Support :

Sales of a certain product may require one\_time marketing support or multiple times or seasonal support. Those decisions are taken based on Sales analysis.

#### **Opportunities:**

It helps to identify missed opportunities, supports future decision-making, shows the current mark-rt trends, and enhances customer analysis.

#### Accessibility Improvements:

Any organization has to be able to access its data and provide reliable reports from wherever .Sales analytics helps to view the same information on any device with an internet connection. There is no necessity to be concerned about accessibility.

#### DISADVANTAGES:

#### Cost:

A detailed Sales Analysis along with its interpretation is outsourced by many companies. The dedicated firms or software may be costly which the company would have to bear regularly.

#### Technical Knowledge:

High technical knowledge is required for Sales Analysis .Good Arithmetic skill along with high market knowledge are basic requirements and those may not be fulfilled by every Salesperson.

#### Reliability:

A lot of times, Sales Analysis might have done in a haphazard way or the reasons for the increase in sales of a particular product may go up purely on the effort of Salespersons or offers rolled out. This may have nothing to do with customer or trends and relaying on those conclusions can be problematic for the company.

**CHAPTER 11** 

**CONCLUSION** 

#### 11.CONCLUSION:

Sales analytics is an indispensable tool for businesses all over the globe. It keeps our Business updated. This is the must-have element, our business won't last long in a highly competitive industry. Provides better Insights via Data Visualization. Depending on the company we are managing, finding the right sales analytics software is crucial. With the benefits that sales analytics provides, making the most out of the tool will keep our business running efficiently and maintain superior productivity for years to come.

**CHAPTER 12** 

**FUTURE SCOPE** 

#### 12.FUTURE SCOPE:

The future of sales analytics brings with it a more accurate yet dynamic picture of buyer behavior and needs, which will drive significantly more commercial impact for frontline sales teams and commercial leadership than is typically offered by sales analytics today. "Sales analytics functions that dont fully understand the information needs of the larger organization are missing the opportunity to share insights among commercial functions to drive more cohesive decision making", says Steve Rietberg, Senior Director Analyst, Garner. "Align stakeholders on a vision, prioritize use cases for the sales analytics, and then establish governance, elevate data literacy and prioritize analytics technologies "Knowing what will characterize valuable sales analytics going forward gives sales operations leaders a set of objectives to strive for so they can promise more value to their stakeholders.

**CHAPTER 13** 

**APENDIX** 

# 13.APPENDIX

### **SOURCE CODE:**

# Dashboard.html

```
<!DOCTYPE html>
<htmllang="en">
<head>
krel="stylesheet" href="index.css">
</head>
<body>
<divclass="whole-page">
<divclass="navbar">
<divclass="one">
Global Sales Data Analytics
</div>
<divclass="two">
</div>
```

```
<divclass="three">
<ahref="dashboard.html">Dashboard</a>
<ahref="report1.html">Report</a>
<ahref="story.html">Story</a>
</div>
</div>
<divclass="pic">
<div>
<imgsrc="dashboard.JPG">
</div>
</div>
</div>
</body>
</html>
```

# Report.html

<!DOCTYPE html>

```
<html lang="en">
<head>
 <link rel="stylesheet" href="index.css">
</head>
<body>
 <div class="whole-page">
  <div class="navbar">
     <div class="one">
     Global Sales Data Analytics
    </div>
    <div class="two">
    </div>
    <div class="three">
     <a href="dashboard.html">Dashboard</a>
      <a href="report.html">Report</a>
     <a href="story.html">Story</a>
    </div>
```

```
</div>
  <div class="pic">
   <div>
    <image src="dash1.JPG">
   </div>
   <div>
    <image src="dash2.JPG">
   </div>
   <div>
    <image src="dash3.JPG">
   </div>
  </div>
 </div>
</body>
</html>
Story.html
```

<!DOCTYPE html>

```
<html lang="en">
<head>
 <link rel="stylesheet" href="index.css">
</head>
<body>
 <div class="whole-page">
  <div class="navbar">
    <div class="one">
     Global Sales Data Analytics
    </div>
    <div class="two">
     </div>
    <div class="three">
     <a href="dashboard.html">Dashboard</a>
     <a href="report1.html">Report</a>
     <a href="story.html">Story</a>
    </div>
```

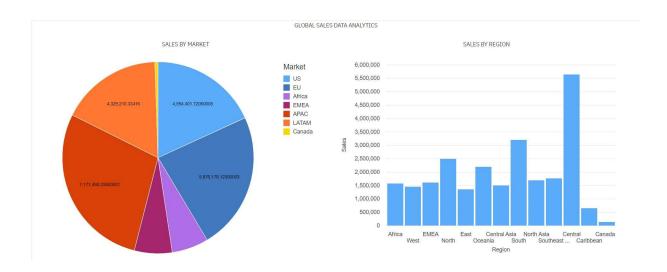
```
</div>
  <div class="pic">
   <div>
    <image src="story.JPG">
    </div>
  </div>
 </div>
</body>
</html>
Index.css
.whole-page{
 height:2200px;
 display:grid;
 grid-template-rows: 1fr 10fr;
}
.navbar{
 background-color: rgb(255, 255, 255);
```

```
display: grid;
 grid-template-columns: 4fr 5fr 5fr;
}
.pic{
 background-color: rgb(255, 255, 255);
 display: grid;
 grid-template-rows:1fr 1fr 1fr;
}
image{
 width:100%;
}
.one{
 background-color: rgb(255, 255, 255);
 text-align: center;
 margin-top: 30px;
}
.two{
```

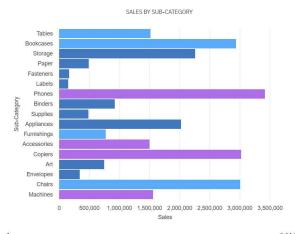
```
background-color: rgb(255, 255, 255);
}
.three{
 background-color: rgb(255, 255, 255);
 display:grid;
 grid-template-columns: 1fr 1fr 1fr;
 text-align: center;
 margin-top: 30px;
}
p{
 font-family:sans-serif;
 font-size: 25px;
}
a{
 font-family:sans-serif;
 font-size: 25px;
 text-decoration: none;
```

```
color:black;
}
a:hover{
  color:blue;
}
```

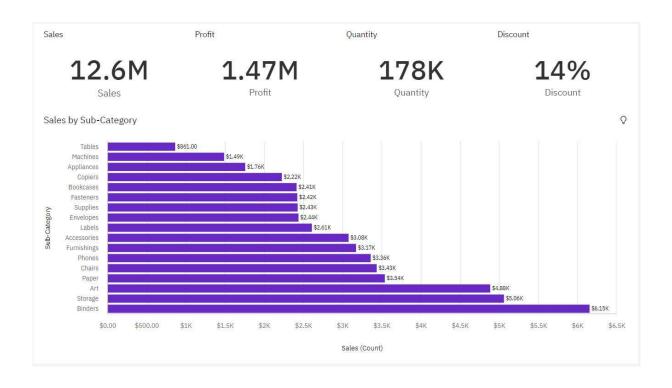
# OUTPUT:

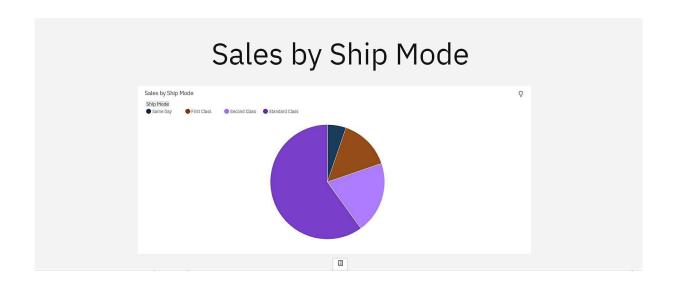






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GITHUB Link: https://github.com/IBM-EPBL/IBM-Project-6494-1658830123

PROJECT DEMO LINK: https://youtu.be/TpzGWMuWdGw