

# **Project Report Format**

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# **1. INTRODUCTION**

## **1.1 PROJECT OVERVIEW**

DHL Logistics Facilities is concerned with getting the products and services where they are needed and when they are desired with the help of Data Analytics. It is difficult to accomplish any marketing or manufacturing without logistical support. It involves the integration of information, transportation, inventory, warehousing, material handling, and packaging.

## **1.2 PURPOSE**

Real-time process optimization and simulation are becoming increasingly important tools for supply chain management. As worldwide complexity grows, the ability to run global supply chains at peak efficiency becomes more and more challenging. Warehouse operators and supply chain managers can make better decisions with granular visibility of processes like order management, and inventory levels and resource utilization become transparent in live dashboards. we understand that dynamic technology markets demand dynamic solutions. So we seek strong partnerships with every customer, envisaging and creating the connections to achieve business success. You can rely on our unrivalled global reach, experience and engagement. We'll help you to imagine and enable new approaches and solutions. Together we will push the pace of change. And always we will enrich your experience with our industry-leading logistics services.

## **2. LITERATURE SURVEY**

### **2.1 EXISTING PROBLEM**

In existing system, DHL is a global expertise in express, air and ocean freight, overland transport and logistics solutions; DHL combines worldwide coverage with an in-depth understanding of local markets. DHL India has an outstanding reputation in the market for providing a reliable, fast and easy-to-use service. DHL offers Highly trained and professional staff, committed to being responsive to all customers' needs Customer Service Agents, available round-the-clock, 365 days of the year, to serve customers whenever and wherever they need them. Electronic pre-clearance of shipments through Customs Five international gateways providing direct-to-air networks and faster sorting of inbound and outbound shipments.

DHL India is a proven facilitator of trade, across the globe. His strength lies in our global network and the know-how of our people. Backed by strategic alliances with world-class partners and the innovative use of technology, they strive to continuously improve the quality of our service. Our services range from fast, responsive and cost-effective express deliveries to e-commerce fulfillment and intelligent logistics solutions. DHL Core Services consist of

door-to-door air express delivery of documents and parcels of all sizes (and weight), both into and out of the country. Other value added services are

a. Kitting/Pre-Assembling

Kitting is the addition of items such as accessories and batteries to the product pack. Pre-assembling is completion of a finished product from component parts or pre-programming of products.

b. Re-Working/Re-Packing

Repacking for a specific customer can include repalletization. Reworking is the modification of products to suit a local market.

c. Packaging/Bundling

Packaging includes packing of products into suitable media for transportation and retail display. Bundling is the assembly of a number of pre-packaged products to make up an integrated product offering

d. QA Control

Quality control ensures that product is received into and dispatched from the warehouse in a suitable condition, free from faults and defects. e.

Labeling/Merchandising

The application of labels either to the product or to the packaging Merchandising can include the addition of price stickers or promotional items ready for retail display.

## **2.2 REFERENCES**

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*Hyder, A. S & Abraha, D. (2003), Strategic alliances in Eastern and Central Europe, Pergamon, An Imprint of Elsevier Science. United States of America.*

## 2.3 PROBLEM STATEMENT DEFINITION

Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Customer	send parcel	Parcel that I given is damaged	Bulk goods mixed up with my packages	Angry
PS-2	Customer	Get my parcel on time	Parcel is missing	Either delivered in wrong address nor theft issue was occurred	Sad
PS-3	User	Get my package fast	Package still not deliverable and updating wrong	Address is long and server issue	Tempting
PS-4	User	Track driver location status	The product status shown as Delivered	Wrong update by delivery person or server error	Bad
PS-5	Driver	Track customer location	Address found was error	Customer given wrong address	Frustrated
PS-6	Driver	deliver fast	Traffic occurs	big accident on the road lane	Worse
PS-7	Delivery person	Deliver the product	The Customer not avail in the home	They have emergency work	Tired



### **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.

#### **Example: Data Analytics for DHL Logistics Facilities**

## **3.2 IDEATION AND BRAINSTORMING**

### **BRAINSTORM AND IDEA PRIORITIZATION TEMPLATE**

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 number 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're not sitting in the same room.

Reference: <https://www.mural.co/templates/empathy-map-canvas>

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



## Brainstorm & idea prioritization

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

- 🕒 10 minutes to prepare
- 🕒 1 hour to collaborate
- 👤 2-8 people recommended

[Share template feedback](#)



### Before you collaborate

A little bit of preparation goes a long way with this session. Here's what you need to do to get going.

🕒 10 minutes

- A Team gathering**  
Define who should participate in the session and send an invite. Share relevant information or pre-work ahead.
- B Set the goal**  
Think about the problem you'll be focusing on solving in the brainstorming session.
- C Learn how to use the facilitation tools**  
Use the Facilitation Superpowers to run a happy and productive session.

[Open article](#) →

1

### Define your problem statement

What problem are you trying to solve? Frame your problem as a How Might We statement. This will be the focus of your brainstorm.

🕒 5 minutes

PROBLEM  
How might we rectify the issues of transportation and customer services?



### Key rules of brainstorming

To run a smooth and productive session

- 🗣️ Stay in topic.
- 💡 Encourage wild ideas.
- 🚫 Defer judgment.
- 👂 Listen to others.
- 🗣️ Go for volume.
- 👁️ If possible, be visual.



### Need some inspiration?

See a finished version of this template to kickstart your work.

[Open example](#) →

## Step-2: Brainstorm, Idea Listing and Grouping

2

### Brainstorm

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

10 minutes

GUNALAN N

Customer Challenges

Expand your view

DHL Supply chain solution

Customer benefits

NANDHINI S

Good delivery strategy

Putting customers at forefront of business

Reliable delivery network

Simplifying the shipping experience

KAVIN KUMAR R

Development of additional road capacity

Vehicle restraint schemes

Promoting public transport

Regulating traffic access to a linker area

Surya S

Real-time visibility

Analytics

Network Planning

Data Management

3

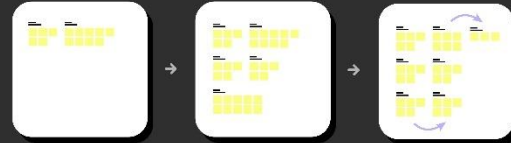
### Group ideas

Take turns sharing your ideas while clustering similar or related notes as you go. Once all sticky notes have been grouped, give each cluster a sentence-like label. If a cluster is bigger than six sticky notes, try and see if you can break it up into smaller sub-groups.

20 minutes

TIP

Add customizable tags to sticky notes to make it easier to find, browse, organize, and categorize important ideas as themes within your mural.



## Step-3: Idea Prioritization

4

### 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.

🕒 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.
- B 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, opportunities, and threats (SWOT) to develop a plan.  
[Open the template →](#)

[Share template feedback](#)



### 3.3 PROPOSED SOLUTION

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	A company's profitability may be severely impacted by continually shifting dynamics brought about by the global nature of the supply chain. The enormous burden that the COVID pandemic placed on logistics made this clear. As a result, manufacturers, shippers, and retailers are using data analytics to better understand their processes and optimize them in order to be more prepared for unforeseen events. Data-driven businesses are

		growing their profit margins and customer satisfaction levels as a result.
2.	Idea / Solution description	New technology plays a vital part in improving operations, removing costs and improving customer service. With DHL you like technology advances and investments as we constantly review, evaluate and adopt new technological solutions. Augmented Reality, for instance, is already getting used to optimize warehouse processes, while a spread of automated guided vehicles and

		robots are being tested and assessed for future deployment.
3.	Novelty / Uniqueness	<p>The specialist knowledge of your team has been the foundation for your company's success. By entrusting DHL with your logistics, you can concentrate on your core business rather than being side tracked by the requirements and complications of the global supply chain. DHL offers a wide range of ready-to-use solutions, technologies, and assets that would otherwise take a lot of time and money to implement, freeing up your cash to expand your business</p>



		<p>in other ways. Furthermore, outsourcing your logistics allows you the freedom to quickly scale up and down in response to new opportunities or issues with the least amount of risk.</p>
4.	Social Impact / Customer Satisfaction	<p>Customers want to understand when their items are delivered and whether a package's expected arrival date are later than expected. Customers are often happier as they get more knowledgeable. Real-time or nearly real-time status updates are now possible, and businesses that make it simple for purchasers to urge these logistics updates will enjoy higher customer satisfaction. Additionally, data can improve</p>

		customer satisfaction in ways aside from just shipping monitoring.
5.	Business Model (Revenue Model)	<p>1 – Broker model This is the most common way 3PL works, and the one most organizations are probably familiar with. In the broker model, a 3PL buys cargo space in bulk from carriers and resells the space to its own customers at a premium.</p> <p>Oversized, his 3PL can afford to purchase large amounts of cargo space without delay, and can take advantage of economies of scale to significantly reduce costs. Even with a premium, they're still dealing with less than most sole proprietors</p>

		<p>could die for outright. 2 – Profit sharing with a profit-sharing model , 3PL works directly with customers to reduce costs. 3</p> <p>– Fee model in the commission model, the 3PL "works" for the carrier and acts as an intermediary between the carrier and the buyer. From there, it works like some standard commission-based system. Fee models offer a lot of transparency within the process, and in many cases 3PLs can rely on carrier proprietary technology, which rarely leads to the most effective technical solutions.</p>
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6.	Scalability of the Solution	<p>As market growth requires an expansion of your distribution network, you ideally desire a partner that incorporates a presence within the markets where you wish help. the choice to tapping into a scalable logistics infrastructure is either working with a replacement provider (new relationships to manage, new systems to integrate) or pushing an existing provider to enter new, unfamiliar markets.</p> <p>Look for partners who can walk the talk when it involves exchanging data between your two systems.</p> <p>The provider's size doesn't necessarily correlate with a classy IT capability. Vet providers</p>
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		<p>carefully during this area or it can return to bite you. The largest 3PL providers will have virtually unlimited scale – a hugely attractive benefit. But their interest is also limited to serving only the most important companies out there. If that’s not you, you’ll find yourself being the proverbial small fish within the big pond.</p>
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### 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 entrepreneurs, marketers and corporate innovators identify behavioral patterns and recognize what would work and why

#### **Purpose:**

- Solve complex problems in a way that fits the state of your customers.
- 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.**

## TEMPLATE:

Define CS, fit into CC	<b>1. CUSTOMER SEGMENT(S)</b> <span>CS</span>  Our customers are mostly middle-class parents and people living in different environment.	<b>6. CUSTOMER CONSTRAINTS</b> <span>CC</span>  The main constraint is MONEY. We need of a huge investment to process logistics.  Another constraint is the customer changes.	<b>5. AVAILABLE SOLUTIONS</b> <span>AS</span>  1. Transport - When consumer is at long distance our transport solution may be of use.  2. Warehouse - Storing of products is main problem. So, our warehousing solution solves that problem.	Explore AS, differentiate
	<b>2. JOBS-TO-BE-DONE / PROBLEMS</b> <span>J&amp;P</span>  1. Frequent changing of their changes 2. A proper feedback.	<b>9. PROBLEM ROOT CAUSE</b> <span>RC</span>  Many customers alter their changes in their decisions due to their wishes in different products.	<b>7. BEHAVIOUR</b> <span>BE</span>  They need to be constant at their decisions before giving the final drastic measure.	
Focus on J&P, fit into BE	<b>3. TRIGGERS</b> <span>TR</span>  Due to the various changes made in the environment it triggers the customers to act.  <b>4. EMOTIONS: BEFORE / AFTER</b> <span>EM</span>  Definitely customers will feel a lack of confidence and trust before acting upon their will. But after they see it with their own eyes they will start to trust and their confidence level will get increased.	<b>10. YOUR SOLUTION</b> <span>SL</span>  The main and foremost solution in a DHL logistics is to build the customer trust about their product, process and infrastructure. Because a good atmosphere will definitely develop a good and trustworthy relationships between customer and supplier.	<b>8. CHANNELS of BEHAVIOUR</b> <span>CH</span>  8.1 ONLINE Customers mostly verify their dealers before making a final change. They visit some websites about their dealers.  8.2 OFFLINE To verify about their dealers, they will see if their neighbors has done the same action and they will know what is their confident level.	Focus on J&P, fit into BE

## REFERENCES:

1. <https://www.ideahackers.network/problem-solution-fit-canvas/>
2. <https://medium.com/@epicantus/problem-solution-fit-canvas-aa3dd59cb4fe>

## **4. REQUIREMENT ANALYSIS**

### **4.1 FUNCTIONAL REQUIREMENTS**

Following are the functional requirements of the proposed solution.

<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
FR-1	User Registration	Registration through any google account or social media accounts.
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Dataset	The DHL_Facilities.csv record are collected as a dataset and upload to Cognos analytics
FR-4	Prepare/Analyze	The dataset is moved around to prepare and analyses using Cognos
FR-5	Exploration	The data are explored using logistics dataset by Cognos
FR-6	Dashboard	The Prepared and Explored data are Visualize and created in different type of dashboards. i.e., charts, graphs, tree, reports, summary, etc..



## 4.2 NON-FUNCTIONAL REQUIREMENTS

Following are the functional requirements of the proposed solution.

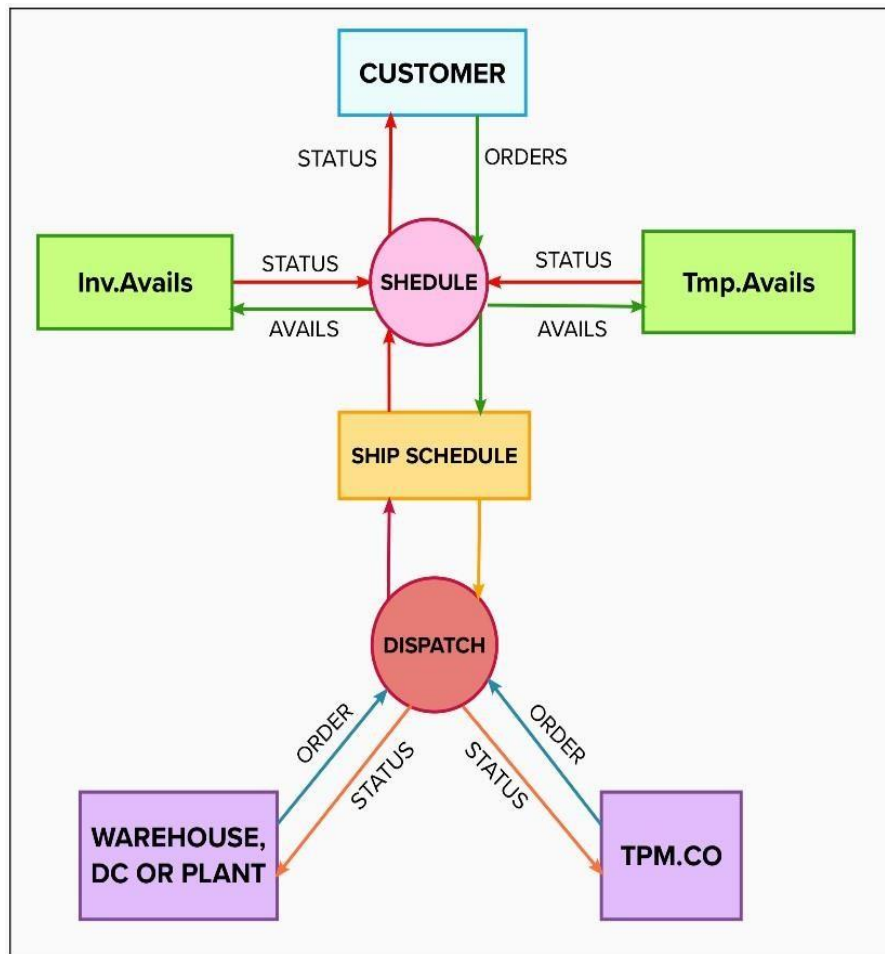
<b>FR No.</b>	<b>Functional Requirement (Epic)</b>	<b>Sub Requirement (Story / Sub-Task)</b>
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## 5. PROJECT DESIGN

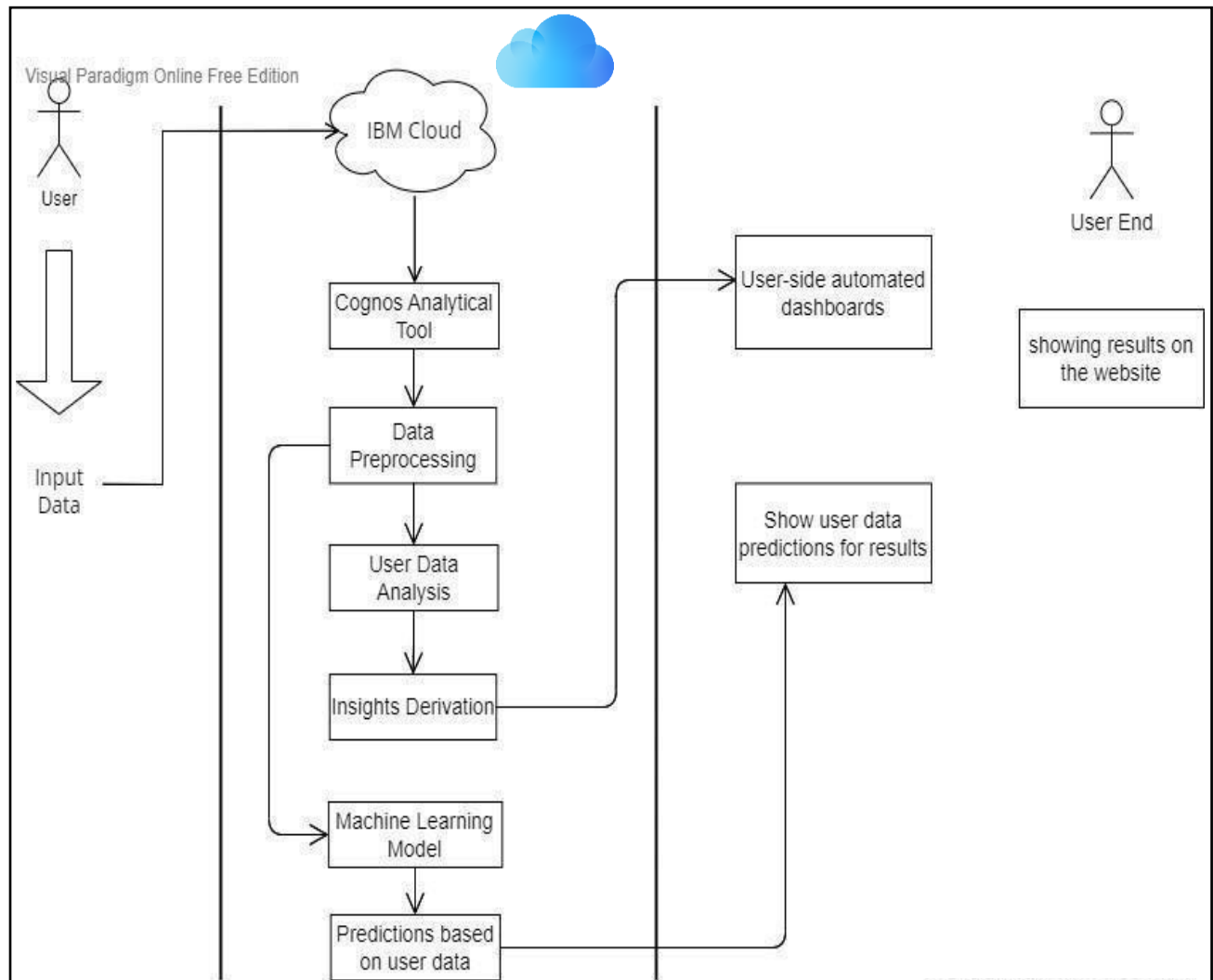
### 5.1 DATA FLOW DIAGRAMS

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.

#### **Example: (DHL Recommender)**



## 5.2 SOLUTION AND TECHNICAL ARCHITECTURE



**TABLE 1-COMPONENTS AND TECHNOLOGIES**

<b>S.No</b>	<b>Component</b>	<b>Description</b>	<b>Technology</b>
1	User Interface	User uploads the csv or excel format files into the web pages	HTML, CSS, JavaScript
2	Application Logic-1	The user data will pass into the IBM cloud for storing and acts as a data source	IBM cloud
3.	Application Logic-2	In cloud, data will be fetched by the Cognos analytical tool for data analysis	IBM Cognos analytical tool
4.	Application Logic-3	The pre-trained Dashboards will be present to perform analysis on the incoming data	IBM Cognos analytical tool
5.	Database	Data will be retrieved from cloud	MySQL
6.	Cloud Database	Database Service on cloud	IBM DB2, IBM Cloud
7.	File Storage	Customer sales data is uploaded in cloud through interface	IBM Block Storage or Other Storage Service or Local Filesystem
8.	External API-1	To perform data analysis on the user data	IBM Cognos Tool
9.	External API-2	To build the machine learning model for classification	Jupyter Notebook

10.	Machine Learning Model	To do the predictive analysis on the input data	Predictive analysis model, etc.
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Using the flask Cloud  Server Configuration: IBM cloud	Local, Cloud Foundry

**TABLE 2-APPLICATION CHARACTERISTICS**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Technology of Opensource framework
2.	Security Implementations	List all the security / access controls implemented, use of firewalls etc.	e.g., SHA-256, Encryptions, IAM Controls, OWASP etc.
3.	Scalable Architecture	Justify the scalability of architecture(3 – tier, Micro-services)	Technology used
4.	Availability	Justify the availability of application(e.g., use of load balancers, distributed servers etc.)	Technology used

5.	Performance	Design consideration for the performance of the application (number of requests per sec, use of Cache, use of CDN's) etc.	Technology used
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<b>User Type</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Acceptance criteria</b>	<b>Priority</b>	<b>Release</b>
Customer	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access myaccount / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation emailonce I have registered for the application	I can receive confirmati on email & click confirm	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register &access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with Gmail Login	Medium	Sprint-1

	Login	USN-5	As a user, I can log into the application by entering email & password	I can login into the application with Gmail login	High	Sprint-1
	Dashboard	USN-6	As a user I can use the methods provided in the Dashboard.	I can access the dashboard with various methods	High	Sprint-2
Customer Care Executive	Login	USN-7	As a Customer Care Executive, I can log into the application by entering my Executive email Id & password	I can login with my credentials	Medium	Sprint-1
	Service	USN-8	As a Customer Care Executive, I can answer user's queries	I can give the solutions to the user's queries	High	Sprint-3



Administrator	Login	USN-9	As an Administrator, I can log into the application by entering my Administrator email Id & password	I can login with my credentials	High	Sprint-1
	Access	USN-10	As an admin, I can make changes to the interface according to the needs	I have a full access to the application	High	Sprint-3
Custom ertools	Tools	USN-11	I can perform analysis by tools (Cognos and with ML)	I have an ease of Accessing tools.	High	Sprint 1

## 5.3 USER STORIES

Use the below template to list all the user stories for the product.

User Story / Task
As a user, I can register & log into the application by entering email & password
As a user, I can verify the email with given otp and check for correct subscription access
As an admin I can define questions & goals then collect data & provide the dataset in IBM Cognos analytics
As an admin I can prepare, explore & present the dataset in IBM Cognos analytics
As an admin, I will analyze the given dataset (Data pre-processing)
As an admin, I will predict the length of stay (Prediction)
As a user, I can select the visualization type like Report, Dashboard and story (Creating visualization)
As a user, I can upload the datasets to the dashboard and view visualizations
As an admin, I can communicate to the client for user queries and visualize the best dashboards in any platform as a user expected

## **6. PROJECT PLANNING & SCHEDULING**

### **SPRINT PLANNING & ESTIMATION & DELIVERY & JIRA FILES**

Use the below template to create product backlog and sprint schedule

<b>Sprint</b>	<b>Functional Requirement(Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-1	Login	USN-1	As a user, I can register & log into the application by entering email & password	10	High	Nandhini S
Sprint-1	Verify	USN-2	As a user, I can verify the email with given otp and check for correct subscription access	10	High	Kavin Kumar R
Sprint-2	Collect Data	USN-3	As an admin I can define questions & goals then collect data & provide the dataset in IBM Cognos analytics	10	High	Nandhini S
Sprint-2	Prepare & Explore	USN-4	As an admin I can prepare, explore & present the	10	High	Gunalan N

			dataset in IBM Cognos analytics			
Sprint-3	Analyze	USN-5	As an admin, I will analyze the given dataset (Data pre-processing)	10	High	Surya S
Sprint-3	Predict	USN-6	As an admin, I will predict the length of stay (Prediction)	10	High	Kavin Kumar R
Sprint-4	Visualization	USN-7	As a user, I can select the visualization type like Report, Dashboard and story (Creating visualization)	7	Medium	Surya S
Sprint-4	Dashboard	USN-8	As a user, I can upload the datasets to the dashboard and view visualizations	8	High	Gunalan N
Sprint-4	Communicate	USN-9	As an admin, I can communicate to the client for user queries and visualize the best dashboards in any platform as a user expected	5	Low	Nandhini S

## PROJECT TRACKER, VELOCITY & BURNDOWN CHARTS

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint EndDate (Planned )	Story Points Completed(as on Planned End Date)	Sprint ReleaseDate (Actual)
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

### Velocity:

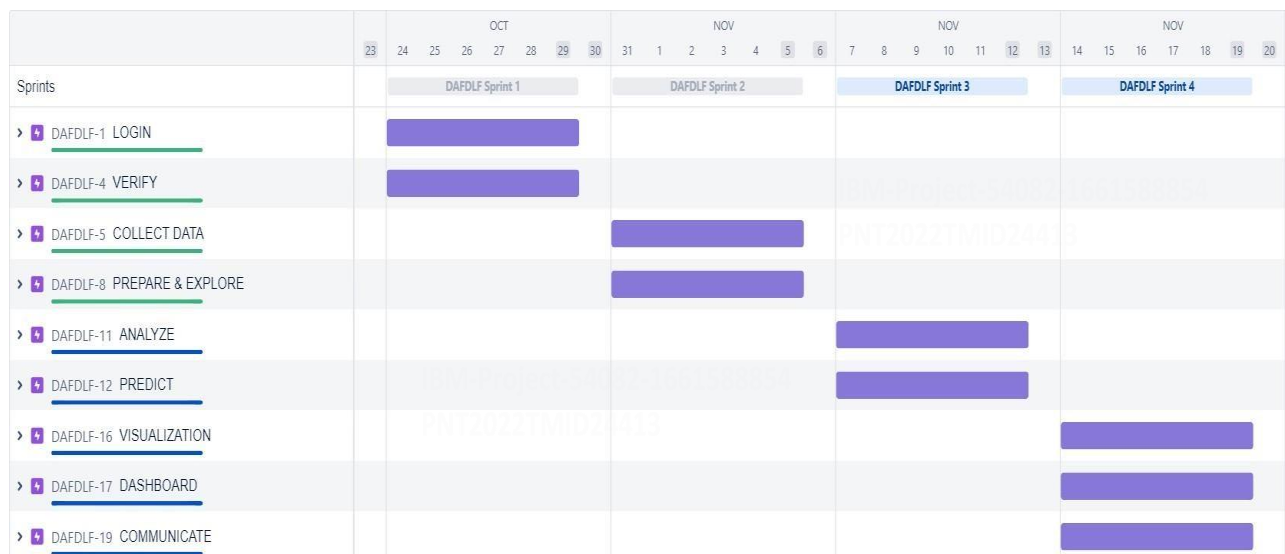
We have a 10-day sprint duration, and the velocity of the team is 20 (points persprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$


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## BURNDOWN CHART

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



# REPORTS FROM JIRA

Jira Software

Your work

Projects

Filters

Dashboards

People

Plans

Apps

Create

Q Search

48

Data Analytics for DHL...

Software project

PLANNING

Roadmap

Backlog

Board

Reports

Issues

DEVELOPMENT

Code

Project pages

Add shortcut

Project settings

You're in a team-managed project

Learn more

Projects / Data Analytics for DHL Logistics Facilities

Backlog

Q

SP

2

OK

3

8+

Epic

Insights

DAFDLF Sprint 1 24 Oct – 29 Oct (2 issues)

0

4

20

Complete sprint

...

DAFDLF-2 As a user, I can register & log into the application by entering email & password. LOGIN

10

DONE

20

DAFDLF-3 As a user, I can verify the email with given OTP and check for correct subscription access. VERIFY

10

DONE

3

+ Create issue

DAFDLF Sprint 2 31 Oct – 5 Nov (2 issues)

0

4

20

Complete sprint

...

DAFDLF-6 As an admin I can define questions & goals then collect data & provide the dataset in IBM Cognos analytics. COLLECT DATA

10

DONE

20

DAFDLF-7 As an admin I can prepare, explore & present the dataset in IBM Cognos analytics. PREPARE & EXPLORE

10

DONE

20

+ Create issue

DAFDLF Sprint 3 7 Nov – 12 Nov (2 issues)

0

4

20

Complete sprint

...

DAFDLF-9 As an admin, I will analyze the given dataset (Data pre-processing) ANALYZE

10

DONE

3

DAFDLF-10 As an admin, I will predict the length of stay (Prediction) PREDICT

10

DONE

3

+ Create issue

DAFDLF Sprint 4 14 Nov – 19 Nov (3 issues)

0

4

20

Complete sprint

...

DAFDLF-13 As an admin, I can communicate to the client and visualize the best dashboards in any platform as a user expected. COMMUNICATE

5

DONE

20

DAFDLF-14 As a user, I can select the visualization type like Report, Dashboard and story (Creating visualization) VISUALIZATION

7

DONE

3

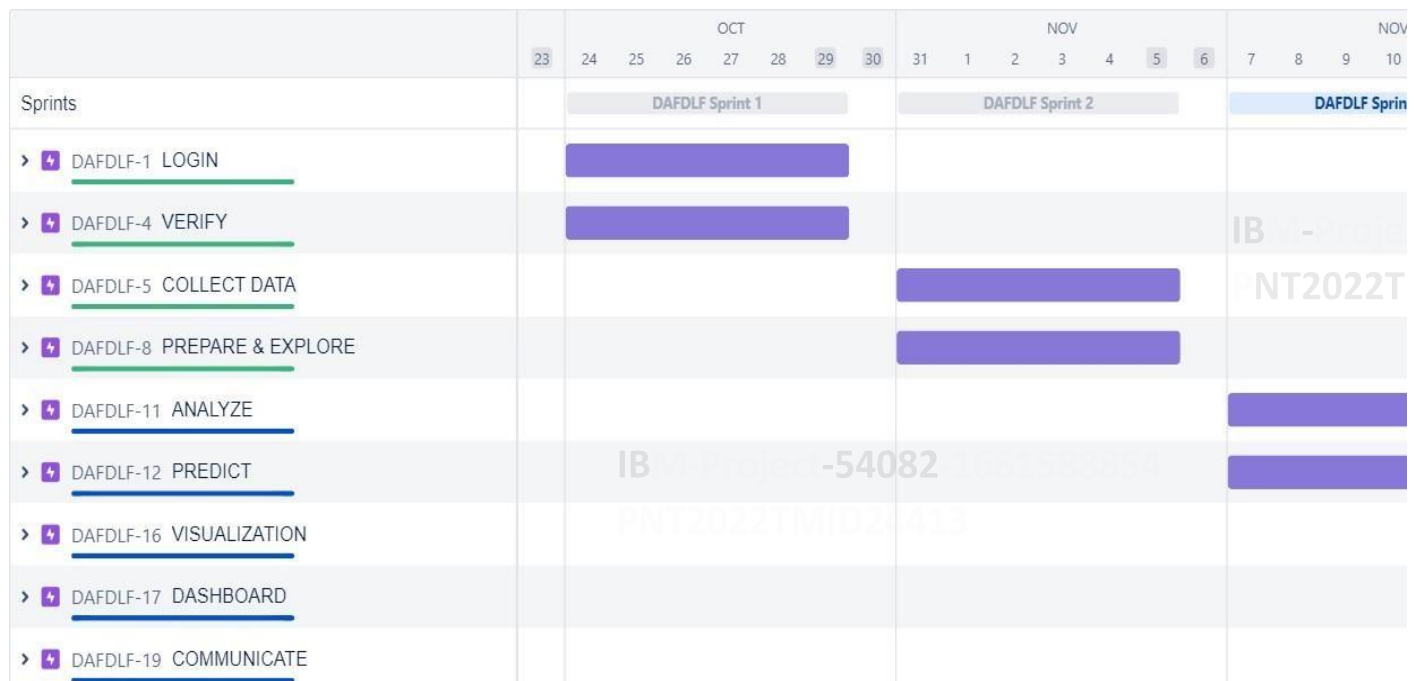
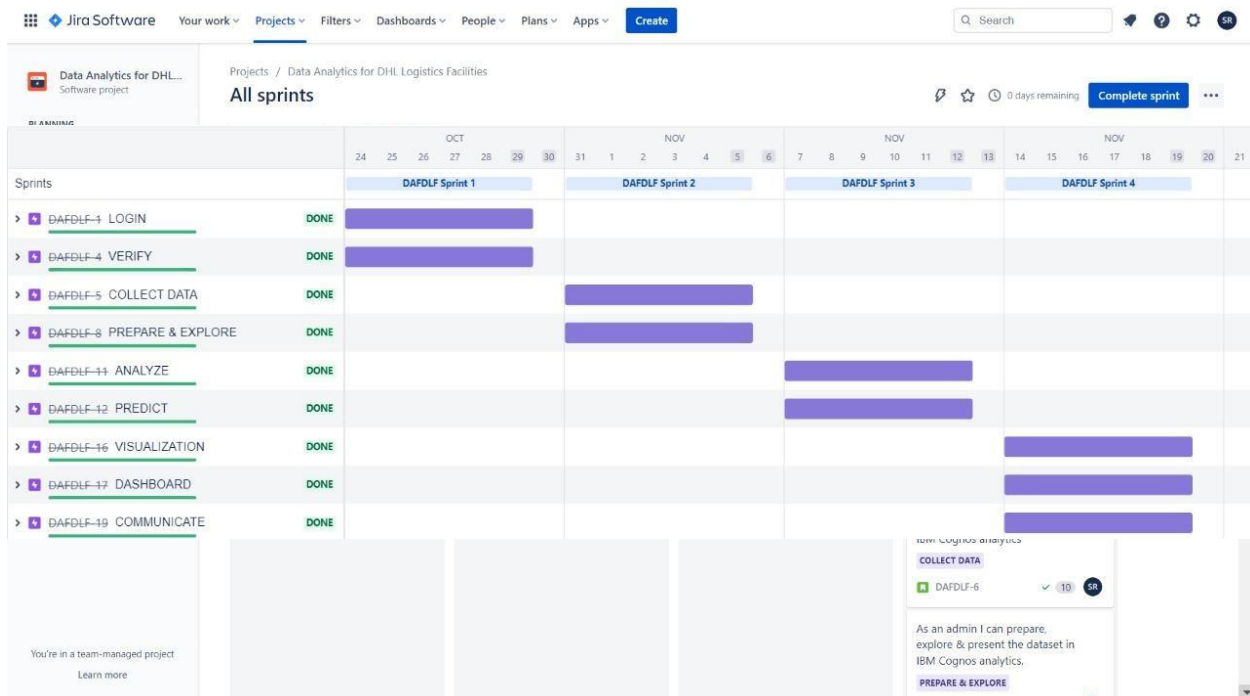
DAFDLF-15 As a user, I can upload the datasets to the dashboard and view visualizations DASHBOARD

8

DONE

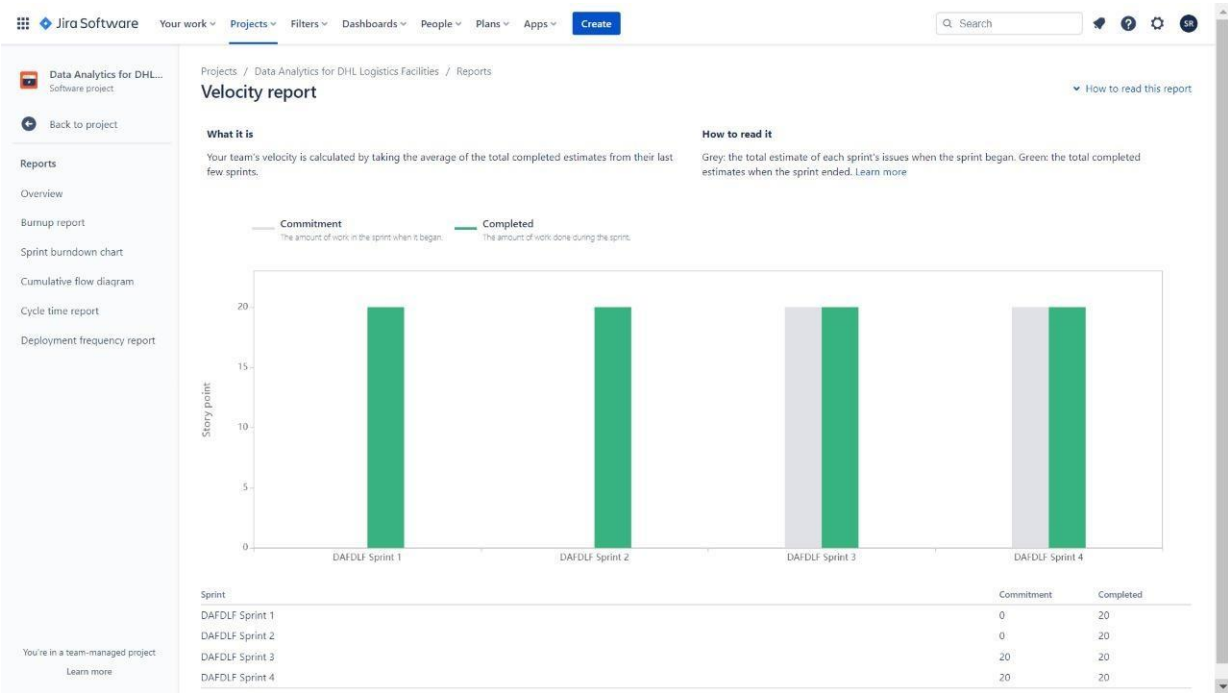
20

+ Create issue





# VELOCITY CHART



## **CODING & SOLUTIONING (Explain the features added in the project along with code)**

### **7.1 Feature-1**

#### **Index.Htm**

**The main website page is to create by the use of HTML, CSS, JAVASCRIPT.**

**The below code is to run a proper website page and for base HTML is used for styling CSS is used and for responsive page Javascript is used.**

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta content="width=device-width, initial-scale=1.0" name="viewport">
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css"/>
<dataset xmlns="http://developer.cognos.com/schemas/xmldata/1/"
xmlns:xs="http://www.w3.org/2001/XMLSchema-instance"> </dataset>
<title>DHL Logistic- Index</title>
<meta content="" name="description">
<meta content="" name="keywords">
<!-- Favicons -->
<link href="assets\img\download.jpg" rel="icon">
<link href="assets\img\download.jpg" rel="icon">
<!-- Google Fonts -->
<link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Jost:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700i" rel="stylesheet">
<!-- Vendor CSS Files -->
<link href="assets/vendor/aos/aos.css" rel="stylesheet">
<link href="assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
<link href="assets/vendor/boxicons/css/boxicons.min.css" rel="stylesheet">
<link href="assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
<link href="assets/vendor/remixicon/remixicon.css" rel="stylesheet">
<link href="assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">
```

```

    <!-- Template Main CSS File -->
<link href="assets/css/style.css" rel="stylesheet">

</head>

<body>

<!-- ===== Header ===== -->

<header id="header" class="fixed-top ">

<div class="container d-flex align-items-center">

<h1 class="logo me-auto"><a href="index.html">DHL</a></h1>

<nav id="navbar" class="navbar">

<ul>

<li><a class="nav-link scrollto active" href="#hero">Home</a></li>

<li><a class="nav-link scrollto" href="#about">About</a></li>

<li><a class="nav-link scrollto" href="#skills">Skills</a></li>

<li><a class="nav-link scrollto" href="#team">Team</a></li>

<li class="dropdown"><a href="#"><span>Source</span> <i class="bi bi-chevron-
down"></i></a>

<ul>

<li><a href="#">Dashboard</a></li>

<li><a href="#">Story</a></li>

<li><a href="/assets/pdf/DHL Report.pdf" target="_blank">Report</a></li>

</ul>

</li>

<li><a class="nav-link scrollto" href="#contact"> Contact</a></li>

</ul>

<i class="bi bi-list mobile-nav-toggle"></i>

</nav><!-- .navbar -->

</div>

</header><!-- End Header -->

<!-- ===== Hero Section ===== -->

<section id="hero" class="d-flex align-items-center">

<div class="container">

<div class="row">

<div class="col-lg-6 d-flex flex-column justify-content-center pt-4 pt-lg-0 order-2 order-lg-1"

```

```

data-aos="fade-up" data-aos-delay="200">
<h1>Better Solutions For Your DHL Logistic Facilities</h1>
<h2>We are team of talented designers making Data analytics with IBM Cognos</h2>
<div class="d-flex justify-content-center justify-content-lg-start">
<a href="#" class="glightbox btn-watch-video"><i class="bi bi-play-
circle"></i><span>Watch Video</span></a>
</div>
</div>
<div class="col-lg-6 order-1 order-lg-2 hero-img" data-aos="zoom-in" data-aos-
delay="200">

</div>
</div>
</div>
</section><!-- End Hero -->
<main id="main">
<!-- ===== About Us Section ===== -->
<section id="about" class="about">
<div class="container" data-aos="fade-up">

<div class="section-title">
<h2>About Us</h2>
</div>
<div class="row content">
<div class="col-lg-6">
<p>
DHL is an international Umbrella brand and trademark for the courier, package delivery, and
express mail service which is a division of the German logistics firm Deutsche Post.The
company group delivers over 1.6 billion parcels per year. The company DHL itself was
founded in San Francisco, USA, in 1969 and expanded its service throughout the world by the
late 1970s.
</p>
</div>
<div class="col-lg-6 pt-4 pt-lg-0">

```

<p>

In 1979, under the name of DHL Air Cargo, the company entered the Hawaiian Islands. Adrian Dalseg and Larry Hillblom personally oversaw the daily operations until its eventual bankruptcy closed the doors in 1983. At its peak, DHL Air Cargo employed just over 100 workers, management, and pilots.

</p>

<a href="https://www.dhl.com/in-en/home.html?locale=true" target="\_blank" class="btn-learn-more">Learn More</a>

</div>

</div>

</div>

</section><!-- End About Us Section -->

<!-- ===== Skills Section ===== -->

<section id="skills" class="skills">

<div class="container" data-aos="fade-up">

<div class="row">

<div class="col-lg-6 d-flex align-items-center" data-aos="fade-right" data-aos-delay="100">



</div>

<div class="col-lg-6 pt-4 pt-lg-0 content" data-aos="fade-left" data-aos-delay="100">

<h3>Skills</h3>

<p class="fst-italic">

our skills contributed for this project

</p>

<div class="skills-content">

<div class="progress">

<span class="skill">IBM Cognos <i class="val">100%</i></span>

<div class="progress-bar-wrap">

<div class="progress-bar" role="progressbar" aria-valuenow="100" aria-valuemin="0" aria-valuemax="100"></div>

</div>

</div>

<div class="progress">

<span class="skill">HTML <i class="val">95%</i></span>

```
<div class="progress-bar-wrap">
  <div class="progress-bar" role="progressbar" aria-valuenow="95" aria-
valuemin="0" aria-valuemax="100"></div>
</div>
</div>
<div class="progress">
  <span class="skill">CSS <i class="val">90%</i></span>
  <div class="progress-bar-wrap">
    <div class="progress-bar" role="progressbar" aria-valuenow="90" aria-
valuemin="0" aria-valuemax="100"></div>
  </div>
</div>
<div class="progress">
  <span class="skill">JavaScript <i class="val">75%</i></span>
  <div class="progress-bar-wrap">
    <div class="progress-bar" role="progressbar" aria-valuenow="75" aria-
valuemin="0" aria-valuemax="100"></div>
  </div>
</div>
<div class="progress">
  <span class="skill">Google collab <i class="val">70%</i></span>
  <div class="progress-bar-wrap">
    <div class="progress-bar" role="progressbar" aria-valuenow="70" aria-
valuemin="0" aria-valuemax="100"></div>
  </div>
</div>
<div class="progress">
  <span class="skill">Db2 <i class="val">40%</i></span>
  <div class="progress-bar-wrap">
    <div class="progress-bar" role="progressbar" aria-valuenow="40" aria-
valuemin="0" aria-valuemax="100"></div>
  </div>
</div>
```

```

    <div class="progress">
      <span class="skill">Kaggle Api <i class="val">10%</i></span>
      <div class="progress-bar-wrap">
        <div class="progress-bar" role="progressbar" aria-valuenow="10" aria-
valuemin="0" aria-valuemax="100"></div>
      </div>
    </div>
  </div>
</div>
</div>
</div>
</div>
</div>
</div>
<!-- ===== Team Section ===== -->
<section id="team" class="team section-bg">
  <div class="container" data-aos="fade-up">
    <div class="section-title">
      <h2>Team</h2>
      <p>Our Team Members details are listed below</p>
    </div>
    <div class="row">
      <div class="col-lg-6">
        <div class="member d-flex align-items-start" data-aos="zoom-in" data-aos-
delay="100">
          <div class="pic"></div>
          <div class="member-info">
            <h4>NANDHINI S </h4>
            <span>Team Lead</span>
            <div class="social">
              <a href="https://github.com/Nandhinis22" target="_blank"><i class="ri-github-
fill"></i></a>
              <a href="mailto:sn2262002@gmail.com" target="_blank"><i class="ri-mail-
fill"></i></a>
              <a href="https://www.linkedin.com/in/nandhini-senthil-69552b205/"
target="_blank"> <i class="ri-linkedin-box-fill"></i> </a>

```

```

        </div>
    </div>
</div>
</div>

<div class="col-lg-6 mt-4 mt-lg-0">
    <div class="member d-flex align-items-start" data-aos="zoom-in" data-aos-
delay="200">
        <div class="pic"></div>
        <div class="member-info">
            <h4>GUNALAN N</h4>
            <span>Team Member-1</span>
            <div class="social">
                <a href="https://github.com/Gunalan2001"target="_blank"><i class="ri-github-
fill"></i></a>
                <a href="mailto:nagarajaninfin@gmail.com" target="_blank"><i class="ri-mail-
fill"></i></a>
                <a href=" https://www.linkedin.com/in/gunalan-n-8b40b5249"target="_blank"> <i
class="ri-linkedin-box-fill"></i> </a>
            </div>
        </div>
    </div>
</div>
</div>

<div class="col-lg-6 mt-4">
    <div class="member d-flex align-items-start" data-aos="zoom-in" data-aos-
delay="300">
        <div class="pic"></div>
        <div class="member-info">
            <h4>KAVIN KUMAR R</h4>
            <span>Team Member-2</span>
            <div class="social">
                <a href="https://github.com/Kavinrk2002"><i class="ri-github-fill"

```



```
target="_blank"></i></a>
    <a href="mailto:kavinkumar0835@gmail.com" target="_blank"><i class="ri-mail-
fill "></i></a>
    <a href="https://www.linkedin.com/in/kavin-kumar-r-068a77257"
target="_blank"> <i class="ri-linkedin-box-fill"></i> </a>
</div>
</div>
</div>
</div>
<div class="col-lg-6 mt-4">
    <div class="member d-flex align-items-start" data-aos="zoom-in" data-aos-
delay="400">
        <div class="pic"></div>
        <div class="member-info">
            <h4>SURYA S</h4>
            <span>Team Member-3</span>
            <div class="social">
                <a href="https://github.com/suryak2002" target="_blank"><i class="ri-github-
fill"></i></a>
                <a href="mailto:rocksuryak@gmail.com" target="_blank"><i class="ri-mail-
fill"></i></a>
                <a href="https://www.linkedin.com/in/surya-s-71139722a" target="_blank"> <i
class="ri-linkedin-box-fill"></i> </a>
            </div>
        </div>
    </div>
</div>
</div>
</div>
</div>
</section><!-- End Team Section -->
<!-------contact----->
<div id="contact">
    <div class="container">
```

```

<div class="row">
  <div class="contact-left">
    <h1 class="sub-title">Contact Me</h1>
    <p><i class="fas fa-paper-plane"></i>sn2262002@gmail.com</p>
    <div class="social-icons">
    </div class="btn btn2">
  </div>
  <div class="contact-right">
    <form name="submit-to-google-sheet">
      <input type="text" name="Name" placeholder="Your Name" required>
      <input type="email" name="Email" placeholder="Your Email" required>
      <textarea name="Message" rows="6" placeholder="Your Message"></textarea>
      <succ id="msg"> </succ><br>
      <button type="submit" class="btn btn2">Submit</button>
    </form>
  </div>
</div>
</div>
</div>
</main><!-- End #main -->0
<!-------Contact form----->
<script>
  const scriptURL =
https://script.google.com/macros/s/AKfycbzf0rz0NZ2HoN23v2cmgSmC-
MA5kTuV7BZAxbgTzAqE9Unx9gkcQK834z7uDcR1UYXQAg/exec'
  const form = document.forms['submit-to-google-sheet']
  const msg = document.getElementById("msg")
  form.addEventListener('submit', e => {
    e.preventDefault()
    fetch(scriptURL, { method: 'POST', body: new FormData(form)})
    .then(response => {
      msg.innerHTML = "Message sent successfully"
      setTimeout(function(){
        msg.innerHTML = ""
      },5000)
    })
  })
}

```

```
        form.reset()
    })
    .catch(error => console.error('Error!', error.message))
})
</script>
```

```
<!-- ===== Footer ===== -->
<footer id="footer">
    <div class="container footer-bottom clearfix">
        <span>Created By <a href="#">NANDHINI</a> | <span class="far fa-
copyright"></span> 2022 All rights reserved.</span>
```

```
</footer><!-- End Footer -->
<div id="preloader"></div>
<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i
class="bi bi-arrow-up-short"></i></a>
```

```
<!-- Vendor JS Files -->
<script src="assets/vendor/aos/aos.js"></script>
<script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>
<script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>
<script src="assets/vendor/waypoints/noframework.waypoints.js"></script>
<script src="assets/vendor/php-email-form/validate.js"></script>
<!-- Template Main JS File -->
<script src="assets/js/main.js"></script>
</body>
</html>
```

## 7.2 Feature-2

### Style.css

```
body {
  font-family: "Open Sans", sans-serif;
  color: #444444;
}

a {
  color: #47b2e4;
  text-decoration: none;
}

a:hover {
  color: #73c5eb;
  text-decoration: none;
}

h1,
h2,
h3,
h4,
h5,
h6 {
  font-family: "Jost", sans-serif;
}

/*-----
# Preloader
-----*/
#preloader {
  position: fixed;
  top: 0;
  left: 0;
  right: 0;
  bottom: 0;
  z-index: 9999;
  overflow: hidden;
  background: #FFCC00;
}

#preloader:before {
  content: "";
  position: fixed;
  top: calc(50% - 30px);
  left: calc(50% - 30px);
  border: 6px solid #FFCC00;
  border-top-color: rgb(6, 6, 6);
```

```
border-bottom-color: rgb(0, 0, 0);
border-radius: 50%;
width: 60px;
height: 60px;
-webkit-animation: animate-preloader 1s linear infinite;
animation: animate-preloader 1s linear infinite;
}
```

```
@-webkit-keyframes animate-preloader {
  0% {
    transform: rotate(0deg);
  }

  100% {
    transform: rotate(360deg);
  }
}
```

```
@keyframes animate-preloader {
  0% {
    transform: rotate(0deg);
  }

  100% {
    transform: rotate(360deg);
  }
}
```

```
/*-----
# Back to top button
-----*/
```

```
.back-to-top {
  position: fixed;
  visibility: hidden;
  opacity: 0;
  right: 15px;
  bottom: 15px;
  z-index: 996;
  background: #FFCC00;
  width: 40px;
  height: 40px;
  border-radius: 50px;
  transition: all 0.4s;
}
```

```
.back-to-top i {
  font-size: 24px;
  color: rgb(0, 0, 0);
  line-height: 0;
}
```

```
.back-to-top:hover {  
  background: #6bc1e9;  
  color: rgb(0, 0, 0);  
}
```

```
.back-to-top.active {  
  visibility: visible;  
  opacity: 1;  
}
```

```
/*-----  
# Header  
-----*/
```

```
#header {  
  transition: all 0.5s;  
  z-index: 997;  
  padding: 15px 0;  
}
```

```
#header.header-scrolled,  
#header.header-inner-pages {  
  background: #FFCC00;  
}
```

```
#header .logo {  
  font-size: 30px;  
  margin: 0;  
  padding: 0;  
  line-height: 1;  
  font-weight: 500;  
  letter-spacing: 2px;  
  text-transform: uppercase;  
}
```

```
#header .logo a {  
  color: rgb(4, 4, 4);  
}
```

```
#header .logo img {  
  max-height: 40px;  
}
```

```
/*-----  
# Navigation Menu  
-----*/
```

```
/**
```

```
* Desktop Navigation
```

```
*/
```

```
.navbar {  
  padding: 0;  
}
```

```
.navbar ul {
  margin: 0;
  padding: 0;
  display: flex;
  list-style: none;
  align-items: center;
}

.navbar li {
  position: relative;
}

.navbar a,
.navbar a:focus {
  display: flex;
  align-items: center;
  justify-content: space-between;
  padding: 10px 0 10px 30px;
  font-size: 17px;
  font-weight: 1000;
  color: rgb(12, 11, 11);
  white-space: nowrap;
  transition: 0.3s;
}

.navbar a i,
.navbar a:focus i {
  font-size: 12px;
  line-height: 0;
  margin-left: 5px;
}

.navbar a:hover,
.navbar .active,
.navbar .active:focus,
.navbar li: hover>a {
  color: #e9e4e4;
}

.navbar .getstarted,
.navbar .getstarted:focus {
  padding: 8px 20px;
  margin-left: 30px;
  border-radius: 50px;
  color: rgb(1, 1, 1);
  font-size: 14px;
  border: 2px solid #FFCC00;
  font-weight: 600;
}
```

```
.navbar .getstarted:hover,
.navbar .getstarted:focus:hover {
  color: #fff;
  background: #FFCC00;
}

.navbar .dropdown ul {
  display: block;
  position: absolute;
  left: 14px;
  top: calc(100% + 30px);
  margin: 0;
  padding: 10px 0;
  z-index: 99;
  opacity: 0;
  visibility: hidden;
  background: white;
  box-shadow: 0px 0px 30px #FFCC00;
  transition: 0.3s;
  border-radius: 4px;
}

.navbar .dropdown ul li {
  min-width: 200px;
}

.navbar .dropdown ul a {
  padding: 10px 20px;
  font-size: 14px;
  text-transform: none;
  font-weight: 500;
  color: #FFCC00;
}

.navbar .dropdown ul a i {
  font-size: 12px;
}

.navbar .dropdown ul a:hover,
.navbar .dropdown ul .active:hover,
.navbar .dropdown ul li:hover>a {
  color: black;
}

.navbar .dropdown: hover>ul {
  opacity: 1;
  top: 100%;
  visibility: visible;
}

.navbar .dropdown .dropdown ul {
```



```

top: 0;
left: calc(100% - 30px);
visibility: hidden;
}

.navbar .dropdown .dropdown:hover>ul {
  opacity: 1;
  top: 0;
  left: 100%;
  visibility: visible;
}

@media (max-width: 1366px) {
  .navbar .dropdown .dropdown ul {
    left: -90%;
  }

  .navbar .dropdown .dropdown:hover>ul {
    left: -100%;
  }
}

/* footer section styling */
footer{
  background: rgb(158, 16, 16);
  padding: 0px 0px;
  color: #fff;
  text-align: center;
}
footer span a{
  color: #FFCC00;
  text-decoration: none;
}
footer span a:hover{
  text-decoration: underline;
}

/**
 * Mobile Navigation
 */
.mobile-nav-toggle {
  color: rgb(10, 10, 10);
  font-size: 28px;
  cursor: pointer;
  display: none;
  line-height: 0;
  transition: 0.5s;
}

.mobile-nav-toggle.bi-x {
  color: rgb(7, 7, 7);
}

```

```

@media (max-width: 991px) {
  .mobile-nav-toggle {
    display: block;
  }

  .navbar ul {
    display: none;
  }
}

.navbar-mobile {
  position: fixed;
  overflow: hidden;
  top: 0;
  right: 0;
  left: 0;
  bottom: 0;
  background: #FFCC00;
  transition: 0.3s;
  z-index: 999;
}

.navbar-mobile .mobile-nav-toggle {
  position: absolute;
  top: 15px;
  right: 15px;
}

.navbar-mobile ul {
  display: block;
  position: absolute;
  top: 55px;
  right: 15px;
  bottom: 15px;
  left: 15px;
  padding: 10px 0;
  border-radius: 10px;
  background-color: rgb(11, 11, 11);
  overflow-y: auto;
  transition: 0.3s;
}

.navbar-mobile a,
.navbar-mobile a:focus {
  padding: 10px 20px;
  font-size: 15px;
  color: #FFCC00;
}

.navbar-mobile a:hover,

```

```

.navbar-mobile .active,
.navbar-mobile li: hover>a {
  color: #FFCC00;
}

.navbar-mobile .getstarted,
.navbar-mobile .getstarted:focus {
  margin: 15px;
  color: #FFCC00;
}

.navbar-mobile .dropdown ul {
  position: static;
  display: none;
  margin: 10px 20px;
  padding: 10px 0;
  z-index: 99;
  opacity: 1;
  visibility: visible;
  background: rgb(7, 7, 7);
  box-shadow: 0px 0px 30px rgba(203, 183, 5, 0.764);
}

.navbar-mobile .dropdown ul li {
  min-width: 200px;
}

.navbar-mobile .dropdown ul a {
  padding: 10px 20px;
}

.navbar-mobile .dropdown ul a i {
  font-size: 12px;
}

.navbar-mobile .dropdown ul a: hover,
.navbar-mobile .dropdown ul .active: hover,
.navbar-mobile .dropdown ul li: hover>a {
  color: #967d18;
}

.navbar-mobile .dropdown>.dropdown-active {
  display: block;
}

/*-----
# Hero Section
-----*/
#hero {
  width: 100%;
  background: #FFCC00;

```

```
}
```

```
#hero .container {  
  padding-top: 72px;  
}
```

```
#hero h1 {  
  margin: 0 0 10px 0;  
  font-size: 48px;  
  font-weight: 700;  
  line-height: 56px;  
  color: rgb(5, 5, 5);  
}
```

```
#hero h2 {  
  color: rgba(12, 12, 12, 0.6);  
  margin-bottom: 50px;  
  font-size: 24px;  
}
```

```
#hero .btn-get-started {  
  font-family: "Jost", sans-serif;  
  font-weight: 500;  
  font-size: 16px;  
  letter-spacing: 1px;  
  display: inline-block;  
  padding: 10px 28px 11px 28px;  
  border-radius: 50px;  
  transition: 0.5s;  
  margin: 10px 0 0 0;  
  color: rgb(12, 12, 12);  
  background: #FFCC00;  
}
```

```
#hero .btn-get-started:hover {  
  background: #FFCC00;  
}
```

```
#hero .btn-watch-video {  
  font-size: 16px;  
  display: flex;  
  align-items: center;  
  transition: 0.5s;  
  margin: 10px 0 0 25px;  
  color: rgb(5, 5, 5);  
  line-height: 1;  
}
```

```
#hero .btn-watch-video i {  
  line-height: 0;  
  color: rgb(3, 3, 3);
```

```
font-size: 32px;  
transition: 0.3s;  
margin-right: 8px;  
}
```

```
#hero .btn-watch-video:hover i {  
  color: #0555f6;  
}
```

```
#hero .animated {  
  animation: up-down 2s ease-in-out infinite alternate-reverse both;  
}
```

```
@media (max-width: 991px) {  
  #hero {  
    height: 100vh;  
    text-align: center;  
  }  
}
```

```
#hero .animated {  
  -webkit-animation: none;  
  animation: none;  
}
```

```
#hero .hero-img {  
  text-align: center;  
}
```

```
#hero .hero-img img {  
  width: 50%;  
}  
}
```

```
@media (max-width: 768px) {  
  #hero h1 {  
    font-size: 28px;  
    line-height: 36px;  
  }  
}
```

```
#hero h2 {  
  font-size: 18px;  
  line-height: 24px;  
  margin-bottom: 30px;  
}
```

```
#hero .hero-img img {  
  width: 70%;  
}  
}
```

```
@media (max-width: 575px) {
```

```
#hero .hero-img img {
  width: 80%;
}

#hero .btn-get-started {
  font-size: 16px;
  padding: 10px 24px 11px 24px;
}

@-webkit-keyframes up-down {
  0% {
    transform: translateY(10px);
  }

  100% {
    transform: translateY(-10px);
  }
}

@keyframes up-down {
  0% {
    transform: translateY(10px);
  }

  100% {
    transform: translateY(-10px);
  }
}

/*-----
# Sections General
-----*/

section {
  padding: 60px 0;
  overflow: hidden;
}

.section-bg {
  background-color: #f3f5fa;
}

.section-title {
  text-align: center;
  padding-bottom: 30px;
}

.section-title h2 {
  font-size: 32px;
  font-weight: bold;
  text-transform: uppercase;
}
```

```
margin-bottom: 20px;
padding-bottom: 20px;
position: relative;
color: #f2cb08;
}
```

```
.section-title h2::before {
  content: "";
  position: absolute;
  display: block;
  width: 120px;
  height: 1px;
  background: #ddd;
  bottom: 1px;
  left: calc(50% - 60px);
}
```

```
.section-title h2::after {
  content: "";
  position: absolute;
  display: block;
  width: 40px;
  height: 3px;
  background: #FFCC00;
  bottom: 0;
  left: calc(50% - 20px);
}
```

```
.section-title p {
  margin-bottom: 0;
}
```

```
/*-----
# About Us
-----*/
```

```
.about .content h3 {
  font-weight: 600;
  font-size: 26px;
}
```

```
.about .content ul {
  list-style: none;
  padding: 0;
}
```

```
.about .content ul li {
  padding-left: 28px;
  position: relative;
}
```

```
.about .content ul li+li {
```

```

    margin-top: 10px;
}

.about .content ul i {
    position: absolute;
    left: 0;
    top: 2px;
    font-size: 20px;
    color: #47b2e4;
    line-height: 1;
}

.about .content p:last-child {
    margin-bottom: 0;
}

.about .content .btn-learn-more {
    font-family: "Poppins", sans-serif;
    font-weight: 500;
    font-size: 14px;
    letter-spacing: 1px;
    display: inline-block;
    padding: 12px 32px;
    border-radius: 4px;
    transition: 0.3s;
    line-height: 1;
    color: #FFCC00;
    -webkit-animation-delay: 0.8s;
    animation-delay: 0.8s;
    margin-top: 6px;
    border: 2px solid #FFCC00;
}

.about .content .btn-learn-more:hover {
    background: #FFCC00;
    color: #fff;
    text-decoration: none;
}

@media (max-width: 1024px) {

    .why-us .content,
    .why-us .accordion-list {
        padding-left: 0;
        padding-right: 0;
    }
}

@media (max-width: 992px) {
    .why-us .img {
        min-height: 400px;
    }
}

```



```

.why-us .content {
  padding-top: 30px;
}

.why-us .accordion-list {
  padding-bottom: 30px;
}

@media (max-width: 575px) {
  .why-us .img {
    min-height: 200px;
  }
}

/*-----
# Skills
-----*/

.skills .content h3 {
  font-weight: 700;
  font-size: 32px;
  color: #FFCC00;
  font-family: "Poppins", sans-serif;
}

.skills .content ul {
  list-style: none;
  padding: 0;
}

.skills .content ul li {
  padding-bottom: 10px;
}

.skills .content ul i {
  font-size: 20px;
  padding-right: 4px;
  color: #47b2e4;
}

.skills .content p:last-child {
  margin-bottom: 0;
}

.skills .progress {
  height: 60px;
  display: block;
  background: none;
  border-radius: 0;
}

```

```
.skills .progress .skill {
  padding: 0;
  margin: 0 0 6px 0;
  text-transform: uppercase;
  display: block;
  font-weight: 600;
  font-family: "Poppins", sans-serif;
  color: #37517e;
}
```

```
.skills .progress .skill .val {
  float: right;
  font-style: normal;
}
```

```
.skills .progress-bar-wrap {
  background: #e8edf5;
  height: 10px;
}
```

```
.skills .progress-bar {
  width: 1px;
  height: 10px;
  transition: 0.9s;
  background-color: #FFCC00;
}
```

```
/*-----
# Portfolio
-----*/
```

```
.portfolio #portfolio-filters {
  list-style: none;
  margin-bottom: 20px;
}
```

```
.portfolio #portfolio-filters li {
  cursor: pointer;
  display: inline-block;
  margin: 10px 5px;
  font-size: 15px;
  font-weight: 500;
  line-height: 1;
  color: #444444;
  transition: all 0.3s;
  padding: 8px 20px;
  border-radius: 50px;
  font-family: "Poppins", sans-serif;
}
```

```
.portfolio #portfolio-filters li:hover,
```

```
.portfolio #portfolio-filters li.filter-active {
  background: #FFCC00;
  color: #fff;
}

.portfolio .portfolio-item {
  margin-bottom: 30px;
}

.portfolio .portfolio-item .portfolio-img {
  overflow: hidden;
}

.portfolio .portfolio-item .portfolio-img img {
  transition: all 0.6s;
}

.portfolio .portfolio-item .portfolio-info {
  opacity: 0;
  position: absolute;
  left: 15px;
  bottom: 0;
  z-index: 3;
  right: 15px;
  transition: all 0.3s;
  background: rgba(55, 81, 126, 0.8);
  padding: 10px 15px;
}

.portfolio .portfolio-item .portfolio-info h4 {
  font-size: 18px;
  color: #fff;
  font-weight: 600;
  color: #fff;
  margin-bottom: 0px;
}

.portfolio .portfolio-item .portfolio-info p {
  color: #f9fcfe;
  font-size: 14px;
  margin-bottom: 0;
}

.portfolio .portfolio-item .portfolio-info .preview-link,
.portfolio .portfolio-item .portfolio-info .details-link {
  position: absolute;
  right: 40px;
  font-size: 24px;
  top: calc(50% - 18px);
  color: #fff;
  transition: 0.3s;
```

```
}
```

```
.portfolio .portfolio-item .portfolio-info .preview-link:hover,  
.portfolio .portfolio-item .portfolio-info .details-link:hover {  
  color: #47b2e4;  
}
```

```
.portfolio .portfolio-item .portfolio-info .details-link {  
  right: 10px;  
}
```

```
.portfolio .portfolio-item:hover .portfolio-img img {  
  transform: scale(1.15);  
}
```

```
.portfolio .portfolio-item:hover .portfolio-info {  
  opacity: 1;  
}
```

```
/*-----  
# Portfolio Details  
-----*/
```

```
.portfolio-details {  
  padding-top: 40px;  
}
```

```
.portfolio-details .portfolio-details-slider img {  
  width: 100%;  
}
```

```
.portfolio-details .portfolio-details-slider .swiper-pagination {  
  margin-top: 20px;  
  position: relative;  
}
```

```
.portfolio-details .portfolio-details-slider .swiper-pagination .swiper-pagination-bullet {  
  width: 12px;  
  height: 12px;  
  background-color: #fff;  
  opacity: 1;  
  border: 1px solid #47b2e4;  
}
```

```
.portfolio-details .portfolio-details-slider .swiper-pagination .swiper-pagination-bullet-active {  
  background-color: #47b2e4;  
}
```

```
.portfolio-details .portfolio-info {  
  padding: 30px;  
  box-shadow: 0px 0 30px rgba(55, 81, 126, 0.08);  
}
```

```
.portfolio-details .portfolio-info h3 {
  font-size: 22px;
  font-weight: 700;
  margin-bottom: 20px;
  padding-bottom: 20px;
  border-bottom: 1px solid #eee;
}
```

```
.portfolio-details .portfolio-info ul {
  list-style: none;
  padding: 0;
  font-size: 15px;
}
```

```
.portfolio-details .portfolio-info ul li+li {
  margin-top: 10px;
}
```

```
.portfolio-details .portfolio-description {
  padding-top: 30px;
}
```

```
.portfolio-details .portfolio-description h2 {
  font-size: 26px;
  font-weight: 700;
  margin-bottom: 20px;
}
```

```
.portfolio-details .portfolio-description p {
  padding: 0;
}
```

```
/*-----
# Team
-----*/
```

```
.team .member {
  position: relative;
  box-shadow: 0px 2px 15px rgba(0, 0, 0, 0.1);
  padding: 30px;
  border-radius: 5px;
  background: #fff;
  transition: 0.5s;
}
```

```
.team .member .pic {
  overflow: hidden;
  width: 180px;
  border-radius: 50%;
}
```

```
.team .member .pic img {  
  transition: ease-in-out 0.3s;  
}
```

```
.team .member:hover {  
  transform: translateY(-10px);  
}
```

```
.team .member .member-info {  
  padding-left: 30px;  
}
```

```
.team .member h4 {  
  font-weight: 700;  
  margin-bottom: 5px;  
  font-size: 20px;  
  color: #FFCC00;  
}
```

```
.team .member span {  
  display: block;  
  font-size: 15px;  
  padding-bottom: 10px;  
  position: relative;  
  font-weight: 500;  
}
```

```
.team .member span::after {  
  content: "";  
  position: absolute;  
  display: block;  
  width: 50px;  
  height: 1px;  
  background: #cbd6e9;  
  bottom: 0;  
  left: 0;  
}
```

```
.team .member p {  
  margin: 10px 0 0 0;  
  font-size: 14px;  
}
```

```
.team .member .social {  
  margin-top: 12px;  
  display: flex;  
  align-items: center;  
  justify-content: flex-start;  
}
```

```
.team .member .social a {
```

```
transition: ease-in-out 0.3s;
display: flex;
align-items: center;
justify-content: center;
border-radius: 50px;
width: 32px;
height: 32px;
background: #eff2f8;
}
```

```
.team .member .social a i {
  color: #FFCC00;
  font-size: 16px;
  margin: 0 2px;
}
```

```
.team .member .social a: hover {
  background: #dbaf02;
}
```

```
.team .member .social a: hover i {
  color: #fff;
}
```

```
.team .member .social a+a {
  margin-left: 8px;
}
```

```
/*-----contact-----*/
```

```
.contact-left{
  margin-top: 68px;
  flex-basis: 35%
}
```

```
.contact-right{
  margin-top: 68px;
  flex-basis: 60%;
}
```

```
.contact-left p{
  margin-top: 30px;
  color: var(--text-black-700);
}
```

```
.contact-left p i{
  color: orange;
  margin-right: 15px;
  font-size: 25px;
}
```

```
.social-icons{
  margin-top: 10px;
  font-size: 50px;
```

```

}
.social-icons a{
  text-decoration: none;
  font-size: 25px;
  margin-right: 15px;
  color: var(--text-black-700);
  display: inline-block;
  transition: transform 0.5s;
}
.social-icons a:hover{
  color: orange;
  transform: translateY(-5px)
}
.btn.btn2{
  display: inline-block;
  background: #FFCC00;
}
.contact-right form{
  width: 100%;
}
form input, form textarea{
  width: 100%;
  border: 0;
  outline: none;
  background: #e9e7e7;
  padding: 15px;
  margin: 15px;
  color: rgb(10, 10, 10);
  font-size: 18px;
  border-radius: 6px;
}
form .btn2{
  padding: 10px 20px;
  font-size: 14px;
  cursor: pointer;
  margin: 15px;
  margin-top: -0px;
}

/*-----end-----*/

```

```

@media (max-width: 992px) {
  .pricing .box {
    max-width: 60%;
    margin: 0 auto 30px auto;
  }
  .contact-right{
    margin-top: 68px;
    flex-basis: 60%;
  }
}

```



```
}
```

```
@media (max-width: 767px) {  
  .pricing .box {  
    max-width: 80%;  
    margin: 0 auto 30px auto;  
  }  
  .contact-right{  
    margin-top: 68px;  
    flex-basis: 90%;  
  }  
}
```

```
@media (max-width: 420px) {  
  .pricing .box {  
    max-width: 100%;  
    margin: 0 auto 30px auto;  
  }  
  .contact-right{  
    margin-top: 68px;  
    flex-basis: 90%;  
  }  
}
```

```
@-webkit-keyframes animate-loading {  
  0% {  
    transform: rotate(0deg);  
  }  
  
  100% {  
    transform: rotate(360deg);  
  }  
}
```

```
@keyframes animate-loading {  
  0% {  
    transform: rotate(0deg);  
  }  
  
  100% {  
    transform: rotate(360deg);  
  }  
}
```

```
/*-----  
# Footer  
-----*/
```

```
#footer {  
  font-size: 18px;  
  background: black;  
}
```

```
#footer .footer-newsletter {  
  padding: 40px 0;  
  background: #f3f5fa;  
  text-align: center;  
  font-size: 15px;  
  color: #444444;  
}
```

```
#footer .footer-newsletter h4 {  
  font-size: 24px;  
  margin: 0 0 20px 0;  
  padding: 0;  
  line-height: 1;  
  font-weight: 600;  
  color: #080909;  
}
```

```
#footer .footer-newsletter form {  
  margin-top: 30px;  
  background: #fff;  
  padding: 6px 10px;  
  position: relative;  
  border-radius: 50px;  
  box-shadow: 0px 2px 15px rgba(0, 0, 0, 0.06);  
  text-align: left;  
}
```

```
#footer .footer-newsletter form input[type=email] {  
  border: 0;  
  padding: 4px 8px;  
  width: calc(100% - 100px);  
}
```

```
#footer .footer-newsletter form input[type=submit] {  
  position: absolute;  
  top: 0;  
  right: 0;  
  bottom: 0;  
  border: 0;  
  background: none;  
  font-size: 16px;  
  padding: 0 20px;  
  background: #f0c20c;  
  color: #fff;  
  transition: 0.3s;  
  border-radius: 50px;
```

```
    box-shadow: 0px 2px 15px rgba(0, 0, 0, 0.1);
}

#footer .footer-newsletter form input[type=submit]:hover {
    background: #f0c20c;
}

#footer .footer-top {
    padding: 60px 0 30px 0;
    background: #fff;
}

#footer .footer-top .footer-contact {
    margin-bottom: 30px;
}

#footer .footer-top .footer-contact h3 {
    font-size: 28px;
    margin: 0 0 10px 0;
    padding: 2px 0 2px 0;
    line-height: 1;
    text-transform: uppercase;
    font-weight: 600;
    color: #f0c20c;
}

#footer .footer-top .footer-contact p {
    font-size: 14px;
    line-height: 24px;
    margin-bottom: 0;
    font-family: "Jost", sans-serif;
    color: #5e5e5e;
}

#footer .footer-top h4 {
    font-size: 16px;
    font-weight: bold;
    color: #f0c20c;
    position: relative;
    padding-bottom: 12px;
}

#footer .footer-top .footer-links {
    margin-bottom: 30px;
}

#footer .footer-top .footer-links ul {
    list-style: none;
    padding: 0;
    margin: 0;
}
```

```
#footer .footer-top .footer-links ul i {  
  padding-right: 2px;  
  color: #f0c20c;  
  font-size: 18px;  
  line-height: 1;  
}
```

```
#footer .footer-top .footer-links ul li {  
  padding: 10px 0;  
  display: flex;  
  align-items: center;  
}
```

```
#footer .footer-top .footer-links ul li:first-child {  
  padding-top: 0;  
}
```

```
#footer .footer-top .footer-links ul a {  
  color: #777777;  
  transition: 0.3s;  
  display: inline-block;  
  line-height: 1;  
}
```

```
#footer .footer-top .footer-links ul a:hover {  
  text-decoration: none;  
  color: #f0c20c;  
}
```

```
#footer .footer-top .social-links a {  
  font-size: 18px;  
  display: inline-block;  
  background: #f0c20c;  
  color: #fff;  
  line-height: 1;  
  padding: 8px 0;  
  margin-right: 4px;  
  border-radius: 50%;  
  text-align: center;  
  width: 36px;  
  height: 36px;  
  transition: 0.3s;  
}
```

```
#footer .footer-top .social-links a:hover {  
  background: #f0c20c;  
  color: #fff;  
  text-decoration: none;  
}
```

```
#footer .footer-bottom {  
  padding-top: 18px;  
  padding-bottom: 18px;  
  color: #fff;  
}
```

```
#footer .copyright {  
  float: left;  
}
```

```
#footer .credits {  
  float: right;  
  font-size: 13px;  
}
```

```
#footer .credits a {  
  transition: 0.3s;  
}
```

```
@media (max-width: 768px) {  
  #footer .footer-bottom {  
    padding-top: 20px;  
    padding-bottom: 20px;  
  }
```

```
  #footer .copyright,  
  #footer .credits {  
    text-align: center;  
    float: none;  
  }
```

```
  #footer .credits {  
    padding-top: 4px;  
  }  
}
```

## Main.js

```
/**
 * Template Name: Arsha - v4.9.1
 * Template URL: https://bootstrapmade.com/arsha-free-bootstrap-html-template-corporate/
 * Author: BootstrapMade.com
 * License: https://bootstrapmade.com/license/
 */
(function() {
  "use strict";

  /**
   * Easy selector helper function
   */
  const select = (el, all = false) => {
    el = el.trim()
    if (all) {
      return [...document.querySelectorAll(el)]
    } else {
      return document.querySelector(el)
    }
  }

  /**
   * Easy event listener function
   */
  const on = (type, el, listener, all = false) => {
    let selectEl = select(el, all)
    if (selectEl) {
      if (all) {
        selectEl.forEach(e => e.addEventListener(type, listener))
      } else {
        selectEl.addEventListener(type, listener)
      }
    }
  }

  /**
   * Easy on scroll event listener
   */
  const onscroll = (el, listener) => {
    el.addEventListener('scroll', listener)
  }

  /**
   * Navbar links active state on scroll
   */
  let navbarlinks = select('#navbar .scrollto', true)
  const navbarlinksActive = () => {
    let position = window.scrollY + 200
```

```

    navbarlinks.forEach(navbarlink => {
      if (!navbarlink.hash) return
      let section = select(navbarlink.hash)
      if (!section) return
      if (position >= section.offsetTop && position <= (section.offsetTop +
section.offsetHeight)) {
        navbarlink.classList.add('active')
      } else {
        navbarlink.classList.remove('active')
      }
    })
  }
  window.addEventListener('load', navbarlinksActive)
  onscroll(document, navbarlinksActive)

/**
 * Scrolls to an element with header offset
 */
const scrollTo = (el) => {
  let header = select('#header')
  let offset = header.offsetHeight

  let elementPos = select(el).offsetTop
  window.scrollTo({
    top: elementPos - offset,
    behavior: 'smooth'
  })
}

/**
 * Toggle .header-scrolled class to #header when page is scrolled
 */
let selectHeader = select('#header')
if (selectHeader) {
  const headerScrolled = () => {
    if (window.scrollY > 100) {
      selectHeader.classList.add('header-scrolled')
    } else {
      selectHeader.classList.remove('header-scrolled')
    }
  }
  window.addEventListener('load', headerScrolled)
  onscroll(document, headerScrolled)
}

/**
 * Back to top button
 */
let backtotop = select('.back-to-top')
if (backtotop) {
  const toggleBacktotop = () => {

```

```

    if (window.scrollY > 100) {
        backtotop.classList.add('active')
    } else {
        backtotop.classList.remove('active')
    }
}
window.addEventListener('load', toggleBacktotop)
onscroll(document, toggleBacktotop)
}

/**
 * Mobile nav toggle
 */
on('click', '.mobile-nav-toggle', function(e) {
    select('#navbar').classList.toggle('navbar-mobile')
    this.classList.toggle('bi-list')
    this.classList.toggle('bi-x')
})

/**
 * Mobile nav dropdowns activate
 */
on('click', '.navbar .dropdown > a', function(e) {
    if (select('#navbar').classList.contains('navbar-mobile')) {
        e.preventDefault()
        this.nextElementSibling.classList.toggle('dropdown-active')
    }
}, true)

/**
 * Scroll with offset on links with a class name .scrollto
 */
on('click', '.scrollto', function(e) {
    if (select(this.hash)) {
        e.preventDefault()

        let navbar = select('#navbar')
        if (navbar.classList.contains('navbar-mobile')) {
            navbar.classList.remove('navbar-mobile')
            let navbarToggle = select('.mobile-nav-toggle')
            navbarToggle.classList.toggle('bi-list')
            navbarToggle.classList.toggle('bi-x')
        }
        scrollTo(this.hash)
    }
}, true)

/**
 * Scroll with offset on page load with hash links in the url
 */
window.addEventListener('load', () => {

```



```

    if (window.location.hash) {
      if (select(window.location.hash)) {
        scrollTo(window.location.hash)
      }
    }
  });

/**
 * Preloader
 */
let preloader = select('#preloader');
if (preloader) {
  window.addEventListener('load', () => {
    preloader.remove()
  });
}

/**
 * Initiate glightbox
 */
const glightbox = GLightbox({
  selector: '.lightbox'
});

/**
 * Skills animation
 */
let skillsContent = select('.skills-content');
if (skillsContent) {
  new Waypoint({
    element: skillsContent,
    offset: '80%',
    handler: function(direction) {
      let progress = select('.progress .progress-bar', true);
      progress.forEach((el) => {
        el.style.width = el.getAttribute('aria-valuenow') + '%'
      });
    }
  })
}

/**
 * Portfolio isotope and filter
 */
window.addEventListener('load', () => {
  let portfolioContainer = select('.portfolio-container');
  if (portfolioContainer) {
    let portfolioIsotope = new Isotope(portfolioContainer, {
      itemSelector: '.portfolio-item'
    });
  }
}

```

```

    let portfolioFilters = select('#portfolio-filters li', true);

    on('click', '#portfolio-filters li', function(e)
    {
        AOS.refresh()
    });
    }, true);
    }

    });

    /**
     * Initiate portfolio lightbox
     */
    const portfolioLightbox = GLightbox({
        selector: '.portfolio-lightbox'
    });

    /**
     * Portfolio details slider
     */
    new Swiper('.portfolio-details-slider', {
        speed: 400,
        loop: true,
        autoplay: {
            delay: 5000,
            disableOnInteraction: false
        },
        pagination: {
            el: '.swiper-pagination',
            type: 'bullets',
            clickable: true
        }
    });

    /**
     * Animation on scroll
     */
    window.addEventListener('load', () => {
        AOS.init({
            duration: 1000,
            easing: "ease-in-out",
            once: true,
            mirror: false
        });
    });

    })()

```

## 7.3 Data Schema

The screenshot shows the IBM Cloud console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and user account information 'SURYA R's Account'. Below this, the 'Resource list' shows 'Db2-9t' with a green 'Active' status and an 'Add tags' link. The left sidebar has a 'Manage' section with 'Service credentials' selected. The main area is titled 'Service credentials' and contains a description: 'You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. Learn more'. Below this is a search bar and a 'New credential' button. A table lists existing credentials, with 'Service credentials-1' selected. The details of this credential are shown in a code block, displaying a JSON object with connection parameters like 'cli', 'arguments', 'u', 'p', 'ssl', 'sslCAFile', 'authenticationDatabase', 'admin', and 'host'.

IBM Cloud

Search resources and products...

Catalog Manage SURYA R's Account

Resource list /

Db2-9t Active Add tags

Details Actions...

Manage

Getting started

Service credentials

Connections

Service credentials

You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. Learn more

Search credentials...

New credential

Key name	Date created
Service credentials-1	2022-11-14 7:09 PM

```
{
  "connection": {
    "cli": {
      "arguments": [
        "-u",
        "sgs16661",
        "-p",
        "Y0TN4V1ec0NzFP1P",
        "--ssl",
        "--sslCAFile",
        "1dd14d0c-1b52-4f63-a606-53ecba28771d",
        "--authenticationDatabase",
        "admin",
        "--host",
        "55fhr997-9266-4331-afd3-888b05e734c0.hs2io90108kqb1qd8lce_databases.apnomain.cloud:31929"
      ]
    }
  }
}
```

The screenshot shows the IBM Cognos Analytics with Watson console. At the top, there's a navigation bar with 'IBM Cognos Analytics with Watson', a search bar, and user account information. Below this, a maintenance banner states: 'Maintenance: The upgrade is now complete. Click on More Info to see what actions may be necessary and to subscribe to future events'. The left sidebar shows a tree view with 'Dhl' selected. The main area is titled 'Dhl' and shows the 'Schemas' tab. It displays a table of schemas with columns 'Status', 'Schema name', and 'Tables loaded'. The 'SGS16661' schema is highlighted with a green checkmark and shows '1/1' tables loaded. A 'Show system schemas' link is at the bottom. On the right, there's a 'sent data' section with a description: 'te sophisticated, i-page, multi-query boards, reports, or S...'.

IBM Cognos Analytics with Watson

Search content

Maintenance: The upgrade is now complete. Click on More Info to see what actions may be necessary and to subscribe to future events

Dismiss More info

Dhl

SURTA ... 0421053 | Type: Data Server

General Connections Permissions

Connections

Name	Modified
Dhl	11/14/2022 7:43 AM

Dhl

Owner: SURYA ... b421053 | Created: 11/14/2022, 7:42 AM | Modified: 11/14/2022, 7:43 AM | Type: Connection

General Settings Schemas Permissions

Schemas

Status	Schema name	Tables loaded
<input type="radio"/>	AUDIT	...
<input type="radio"/>	DB2INST1	
<input type="radio"/>	ERRORSCHEMA	
<input checked="" type="radio"/>	SGS16661	1/1

Show system schemas

sent data

te sophisticated, i-page, multi-query boards, reports, or S...

## **8. TESTING**

### **8.1 MODEL PERFORMANCE TESTING**

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

<b>S.No</b>	<b>Parameter</b>	<b>Screenshot / Values</b>
1.	Dashboard design	20/ 6
2.	Data Responsiveness	The final output from IBM Cognos With Watson further converted into PDF or Story file, So it can be viewed by all devices.
3.	Amount Data to Rendered(DB2 Metrics)	0 KB
4.	Utilization of Data Filters	The Utilization of data Filters like Ascending ,Descending ,Format and so on.
5.	Effective User Story	15
6.	Descriptive Reports	20 /6`

## 8.2 ACCEPTANCE TESTING

### PURPOSE OF DOCUMENT

The purpose of this document is to briefly explain the test coverage and open issues of the DHL Logistics 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

<b>Resolution</b>	<b>Severity 1</b>	<b>Severity 2</b>	<b>Severity 3</b>	<b>Severity 4</b>	<b>Subtotal</b>
By Design	6	6	4	0	16
Duplicate	0	0	0	0	0

External	8	5	2	0	15
Fixed	12	9	4	7	32
Not Reproduced	1	1	0	0	2
Skipped	0	0	0	0	0
Won't Fix	0	0	0	0	0
Totals	27	21	10	7	6
					5

## TEST CASE ANALYSIS

This report shows the number of test cases that have passed, failed, and untested

Section	Total Cases	Not Tested	Failed	Passes
Print Engine	8	0	0	8
Client Application	51	0	0	51
Security	4	0	0	4
Outsource Shipping	3	0	0	3
Exception Reporting	8	0	0	8
Final Report Output	5	0	0	5
Version Control	2	0	0	2

## **9. RESULTS:**

### **9.1 PERFORMANCE METRICS**

#### **Shipping Time:**

Spot potential issues in your order fulfilment process

#### **Order Accuracy:**

Monitor the degree of incidents

#### **Picking Accuracy:**

How many orders are picked without errors?

#### **Delivery Time:**

Track your average delivery time in detail

#### **Pick & Pack Cycle Time:**

Track the time it takes to pick and pack your orders

#### **Equipment Utilization Rate:**



Is your equipment enough for your workforce?

**Transportation Costs:**

Analyze all costs from the order placement to delivery

**Warehousing Costs:**

Optimize the expenses of your warehouse

**Pick & Pack Costs:**

Monitor all costs related to your pick & pack process

**Use of Packing Material:**

Optimize your materials usage

**Number of Shipments:**

Understand how many orders are shipped

## Inventory Accuracy:

Avoid problems because of inaccurate inventory

## Inventory Turnover:

Track how many times your entire inventory is sold

## Inventory to Sales Ratio:

Identify a potential overstock

### KPIs for Each Stage of Logistics

Logistics KPIs



## **10. ADVANTAGES AND DISADVANTAGES**

### **PROS OF DHL LOGISTICS FACILITIES**

Understanding the aspects of the logistics sector and the advantages that it can bring can be extremely insightful to your organization. Logistics has a series of advantages, which include the following:

- **Enhanced Distribution Network** – When having a good logistics system, with different logistics operators, you are able to optimize the times along with the distribution chain. There are a variety of companies out there that are available to take care of your logistics needs at a national and international level.
- **Costs Reduction** – Due to automated facilities and other globalized distribution systems, transport cost and handling costs are able to be reduced. A more efficient logistics chain will improve both final customer satisfaction and the service.
- **Delivery Fulfillment** – Delivery fulfillment is extremely important to modern-day customers. In an era of instant-gratification, consumers are looking for their product the second they push the “buy” button. Through

adequate logistical processes, delivery times have been greatly reduced as compared to a few years ago.

While there are many advantageous associated with the logistics sector, there are also a variety of disadvantages as well.

## **CONS OF DHL LOGISTICS FACILITIES**

In the logistics sector, there are different aspects to consider that have a great influence. This can be globalization, technology, consumer evolution, legal aspects, or government policies. These aspects directly influence the logistics sector and may hinder its ability to thrive. Here are a few of the disadvantages pertaining to the logistics sector:

- **Multinational** – One of the most consistent disadvantages pertains to the sector being covered with substantially larger companies. This makes it very difficult for medium and small companies to have access to this, due to the costs associated with it.
- **Cost of Transport** – A greater distance to travel will only make the cost greater as well. This will make it difficult to get a competitive price. Transportation is by far the greatest cost of the logistics sector.

- **Legality** - Barriers pertaining to entry and exit can also be a hurdle to overcome, considering that each country and state can have its own say on logistical practices. This is definitely a major concern for some areas within the United States, especially on some issues such as marijuana legalization.

## **11. CONCLUSION**

Logistics systems and transportation consist of interdependent relationships that logistics management requires transportation to perform its day-to-day activities and meanwhile, a good logistics system can efficiently improve transportation development and traffic environment. Since transportation contribute the highest cost among the related elements in logistics systems, the improvement of transport efficiency can change the overall performance of a logistics system. Transportation plays an important role in logistics system and its activities appear in various sections of logistics processes. Without the linking of transportation, a powerful logistics strategy cannot bring its capacity into full play.

The review of logistics system in a broad sense might help to integrate the advantages from different application cases to overcome their current demerits. Review of transport systems provides a clear notion on transport applications in logistics activities. Development of logistics will be still vigorous in the following decades and the logistics concepts might be applied in more fields.

## **12. FUTURE SCOPE**

Data Analytics for DHL Logistics Facilities is all about making the right product available to the right customer at the right time and at right cost.

With average purchasing power increasing, consumerism is on the rise in India. Indians are buying more and more with each passing day and this rise is here to stay. Given there is a trend of an increasing demand, companies are flooding Indian markets with their offerings, competing with each other in terms of enhanced products, better and easy shopping experience etc.

This trend can be seen across companies. There are more brands of, say toothpaste, to choose from. There are different toothpastes for different needs, different taste etc. Similarly there are more options of cars, televisions, clothes, juices, biscuits etc available to consumer than what were available, say a decade back. All these options need to be made available to the consumers (right from procuring raw materials to making it available on shelf).

Hence I believe, as long as there are companies competing against each other to satisfy consumers, there is a good scope for SCM in India to ensure these

products reaches from raw material stage to consumer at the right time and the at right cost.



## **13. APPENDIX:**

### **Source code**

#### **Index.html**

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<meta charset="utf-8">
```

```
<meta content="width=device-width, initial-scale=1.0" name="viewport">
```

```
<link                rel="stylesheet"                href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/5.15.3/css/all.min.css"/>
```

```
<dataset                                xmlns="http://developer.cognos.com/schemas/xmldata/1/"  
xmlns:xs="http://www.w3.org/2001/XMLSchema-instance"> </dataset>
```

```
<title>DHL Logistic- Index</title>
```

```
<meta content="" name="description">
```

```
<meta content="" name="keywords">
```

```
<!-- Favicons -->
```

```
<link href="assets\img\download.jpg" rel="icon">
```

```
<link href="assets\img\download.jpg" rel="icon">
```

```
<!-- Google Fonts -->
```

```
<link
```

```
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700i|Jost:
```

300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,600i,700,700

i" rel="stylesheet">

<body>

<!-- ===== Header ===== -->

<header id="header" class="fixed-top ">

<div class="container d-flex align-items-center">

<h1 class="logo me-auto"><a href="index.html">DHL</a></h1>

<nav id="navbar" class="navbar">

<ul>

<li><a class="nav-link scrollto active" href="#hero">Home</a></li>

<li><a class="nav-link scrollto" href="#about">About</a></li>

<li><a class="nav-link scrollto" href="#service">Service</a></li>

<li><a class="nav-link scrollto" href="#skills">Skills</a></li>

<li><a class="nav-link scrollto" href="#team">Team</a></li>

<li class="dropdown"><a href="#"><span>Source</span> <i class="bi bi-chevron-down"></i></a>

<ul>

<li><a href="#">Dashboard</a></li>

<li><a href="#">Story</a></li>

<li><a href="#">Report</a></li>

</ul>

</li>

<li><a class="nav-link scrollto" href="#contact"> Contact</a></li>

```

        </ul>

        <i class="bi bi-list mobile-nav-toggle"></i>

    </nav><!-- .navbar -->

</div>

</header><!-- End Header -->

<!-- ===== Hero Section ===== -->

<section id="hero" class="d-flex align-items-center">

    <div class="container">

        <div class="row">

            <div class="col-lg-6 d-flex flex-column justify-content-center pt-4 pt-lg-0 order-2 order-lg-1"
data-aos="fade-up" data-aos-delay="200">

                <h1>Better Solutions For Your DHL Logistic Facilities</h1>

                <h2>We are team of talented designers making Data analytics with IBM Cognos</h2>

                <div class="d-flex justify-content-center justify-content-lg-start">

                    <a href="https://www.youtube.com/watch?v=jDDaplaOz7Q" class="lightbox btn-watch-
video"><i class="bi bi-play-circle"></i><span>Watch Video</span></a>

                </div>

            </div>

            <div class="col-lg-6 order-1 order-lg-2 hero-img" data-aos="zoom-in" data-aos-delay="200">

            </div>

        </div>

    </div>

</div>

```

</section><!-- End Hero -->

<main id="main">

<!-- ===== About Us Section ===== -->

<section id="about" class="about">

<div class="container" data-aos="fade-up">

<div class="section-title">

<h2>About Us</h2>

</div>

<div class="row content">

<div class="col-lg-6">

<p>

DHL is an international Umbrella brand and trademark for the courier, package delivery, and express mail service which is a division of the German logistics firm Deutsche Post. The company group delivers over 1.6 billion parcels per year. The company DHL itself was founded in San Francisco, USA, in 1969 and expanded its service throughout the world by the late 1970s.

</p>

</div>

<div class="col-lg-6 pt-4 pt-lg-0">

<p>

In 1979, under the name of DHL Air Cargo, the company entered the Hawaiian Islands. Adrian Dalseg and Larry Hillblom personally oversaw the daily operations until its eventual bankruptcy closed

the doors in 1983. At its peak, DHL Air Cargo employed just over 100 workers, management, and pilots.

</p>

<a href="https://www.dhl.com/in-en/home.html?locale=true" target="\_blank" class="btn-

<section id="skills" class="skills">

<div class="container" data-aos="fade-up">

<div class="row">

<div class="col-lg-6 d-flex align-items-center" data-aos="fade-right" data-aos-delay="100">



</div>

<div class="col-lg-6 pt-4 pt-lg-0 content" data-aos="fade-left" data-aos-delay="100">

<h3>Skills</h3>

<p class="fst-italic">

our skills contributed for this project

</p>

<div class="skills-content">

<div class="progress">

<span class="skill">Ibm Cognos <i class="val">100%</i></span>

<div class="progress-bar-wrap">

<div class="progress-bar" role="progressbar" aria-valuenow="100" aria-valuemin="0"

aria-valuemax="100"></div>

</div>

</div>

<div class="progress">

```
<span class="skill">HTML <i class="val">95%</i></span>
```

```
<div class="progress-bar-wrap">
```

```
  <div class="progress-bar" role="progressbar" aria-valuenow="95" aria-valuemin="0" aria-  
valuemax="100"></div>
```

```
</div>
```

```
</div>
```

```
<div class="progress">
```

```
  <span class="skill">CSS <i class="val">90%</i></span>
```

```
  <div class="progress-bar-wrap">
```

```
    <div class="progress-bar" role="progressbar" aria-valuenow="90" aria-valuemin="0" aria-  
valuemax="100"></div>
```

```
  </div>
```

```
</div>
```

```
<div class="progress">
```

```
  <span class="skill">JavaScript <i class="val">75%</i></span>
```

```
  <div class="progress-bar-wrap">
```

```
    <div class="progress-bar" role="progressbar" aria-valuenow="75" aria-valuemin="0" aria-  
valuemax="100"></div>
```

```
  </div>
```

```
</div>
```

```
<div class="progress">
```

```
  <span class="skill">Google collab <i class="val">70%</i></span>
```

```
  <div class="progress-bar-wrap">
```

```

<div class="progress">

  <span class="skill">Kaggle Api <i class="val">10%</i></span>

  <div class="progress-bar-wrap">

    <div class="progress-bar" role="progressbar" aria-valuenow="10" aria-valuemin="0" aria-
valuemax="100"></div>

    msg.innerHTML = ""

    },5000)

    form.reset()

  })

  .catch(error => console.error('Error!', error.message))

})

</script>

```

```

<!-- ===== Footer ===== -->

```

```

<footer id="footer">

```

```

<div class="container footer-bottom clearfix">

  <span>Created By <a href="https://suryapf.netlify.app">SURYA</a> | <span class="far fa-
copyright"></span> 2022 All rights reserved.</span>

```

```

</footer><!-- End Footer -->

```

```

<div id="preloader"></div>

```

```

<a href="#" class="back-to-top d-flex align-items-center justify-content-center"><i class="bi bi-
arrow-up-short"></i></a>

```

<!-- Vendor JS Files -->

<script src="assets/vendor/aos/aos.js"></script>

<script src="assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>

<script src="assets/vendor/glightbox/js/glightbox.min.js"></script>

<script src="assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>

<script src="assets/vendor/swiper/swiper-bundle.min.js"></script>

<script src="assets/vendor/waypoints/noframework.waypoints.js"></script>

<script src="assets/vendor/php-email-form/validate.js"></script>

<!-- Template Main JS File -->

<script src="assets/js/main.js"></script>

</body>

</html>



## **Style.css**

```
body {  
  
    font-family: "Open Sans", sans-serif;  
  
    color: #444444;  
  
}
```

```
a {  
  
    color: #47b2e4;  
  
    text-decoration: none;  
  
}
```

```
a:hover {  
  
    color: #73c5eb;  
  
    text-decoration: none;  
  
}
```

```
/*.....
```

```
# Preloader
```

```
.....*/
```

```
#preloader {
```

```
    position: fixed;
```

```
    top: 0;
```

```
    left: 0;
```

```
    right: 0;
```

```
    bottom: 0;
```

```
    z-index: 9999;
```

```
    overflow: hidden;
```

```
    background: #FFCC00;
```

```
}
```

```
#preloader:before {
```

```
    content: "";
```

```
    position: fixed;
```

```
    top: calc(50% - 30px);
```

left: calc(50% - 30px);

border: 6px solid #FFCC00;

border-top-color: rgb(6, 6, 6);

border-bottom-color: rgb(0, 0, 0);

border-radius: 50%;

width: 60px;

height: 60px;

-webkit-animation: animate-preloader 1s linear infinite;

animation: animate-preloader 1s linear infinite;

}

@-webkit-keyframes animate-preloader {

0% {

transform: rotate(0deg);

}

100% {

transform: rotate(360deg);

```
}
```

```
}
```

```
@keyframes animate-preloader {
```

```
0% {
```

```
    transform: rotate(0deg);
```

```
}
```

```
100% {
```

```
    transform: rotate(360deg);
```

```
}
```

```
}
```

```
width: 180px;
```

```
border-radius: 50%;
```

```
}
```

```
.team .member .pic img {
```

```
    transition: ease-in-out 0.3s;
```

```
}
```

```
.team .member:hover {  
  
    transform: translateY(-10px);  
  
}
```

```
    height: 32px;  
  
    background: #eff2f8;  
  
}
```

```
.team .member .social a i {  
  
    color: #FFCC00;  
  
    font-size: 16px;  
  
    margin: 0 2px;  
  
}
```

```
.team .member .social a:hover {  
  
    background: #dbaf02;
```

```
}
```

```
.team .member .social a:hover i {
```

```
color: #fff;
```

```
}
```

```
.team .member .social a+a {
```

```
margin-left: 8px;
```

```
}
```

```
/*.....contact.....*/
```

```
.contact-left{
```

```
margin-top: 68px;
```

```
flex-basis: 35%
```

```
}
```

```
.contact-left p{
```

```
margin-top: 30px;
```

```
color: var(--text-black-700);  
  
}
```

```
.contact-left p i{  
  
color: orange;  
  
margin-right: 15px;  
  
font-size: 25px;  
  
}
```

```
.social-icons{  
  
margin-top: 10px;  
  
font-size: 50px;  
  
}
```

```
.social-icons a{  
  
text-decoration: none;  
  
font-size: 25px;  
  
margin-right: 15px;  
  
color: var(--text-black-700);  
  
display: inline-block;  
  
transition: transform 0.5s;
```

```
}
```

```
/* .....end..... */
```

```
@media (max-width: 992px) {
```

```
  .pricing .box {
```

```
    max-width: 60%;
```

```
    margin: 0 auto 30px auto;
```

```
  }
```

```
  .contact-right{
```

```
    margin-top: 68px;
```

```
    flex-basis: 60%;
```

```
  }
```

```
}
```

```
@media (max-width: 767px) {
```

```
  .pricing .box {
```



```
max-width: 80%;  
  
margin: 0 auto 30px auto;  
  
}
```

```
#footer .footer-top h4 {  
  
font-size: 16px;  
  
font-weight: bold;  
  
color: #f0c20c;  
  
position: relative;  
  
padding-bottom: 12px;  
  
}
```

```
#footer .footer-top .footer-links {  
  
margin-bottom: 30px;  
  
}
```

```
#footer .footer-top .footer-links ul {  
  
list-style: none;
```

```
padding: 0;
```

```
margin: 0;
```

```
}
```

```
#footer .footer-top .footer-links ul i {
```

```
padding-right: 2px;
```

```
color: #f0c20c;
```

```
font-size: 18px;
```

```
line-height: 1;
```

```
}
```

```
#footer .footer-top .footer-links ul li {
```

```
padding: 10px 0;
```

```
display: flex;
```

```
align-items: center;
```

```
}
```

```
#footer .footer-top .footer-links ul li:first-child {
```

```
padding-top: 0;
```

```
#footer .footer-bottom {
```

```
padding-top: 18px;
```

```
padding-bottom: 18px;
```

```
color: #fff;
```

```
}
```

```
#footer .copyright {
```

```
float: left;
```

```
}
```

```
#footer .credits {
```

```
float: right;
```

```
font-size: 13px;
```

```
}
```

```
#footer .credits a {
```

```
transition: 0.3s;
```

```
}
```

```
@media (max-width: 768px) {
```

```
#footer .footer-bottom {
```

```
padding-top: 20px;
```

```
padding-bottom: 20px;
```

```
}
```

```
#footer .copyright,
```

```
#footer .credits {
```

```
text-align: center;
```

```
float: none;
```

```
}
```

```
#footer .credits {
```

```
padding-top: 4px;
```

```
}
```

```
}
```

## **Main.js**

```
/**
```

```
* Template Name: Arsha - v4.9.1
```

```
* Template URL: https://bootstrapmade.com/arsha-free-bootstrap-html-template-corporate/
```

```
* Author: BootstrapMade.com
```

```
* License: https://bootstrapmade.com/license/
```

```
*/
```

```
(function() {
```

```
"use strict";
```

```
/**
```

```
* Easy selector helper function
```

```
*/
```

```
const select = (el, all = false) => {
```

```
  el = el.trim()
```

```
if (all) {
```

```
    return
```

```
/**
```

```
    navbarToggle.classList.toggle('bi-x')
```

```
    }
```

```
    scrollTo(this.hash)
```

```
    }
```

```
}, true)
```

```
/**
```

```
 * Scroll with offset on page load with hash links in the url
```

```
 */
```

```
window.addEventListener('load', () => {
```

```
    if (window.location.hash) {
```

```
        if (select(window.location.hash)) {
```

```
            scrollTo(window.location.hash)
```

```
        }
```

```
}
```

```
});
```

```
/**
```

```
 * Preloader
```

```
 */
```

```
let preloader = select('#preloader');
```

```
if (preloader) {
```

```
  window.addEventListener('load', () => {
```

```
    preloader.remove()
```

```
  });
```

```
}
```

```
/**
```

```
 * Initiate glightbox
```

```
 */
```

```
const glightbox = GLightbox({
```

```
  selector: '.lightbox'
```

```
});
```

```
/**
```

```
 * Skills animation
```

```
 */
```

```
let skillsContent = select('.skills-content');
```

```
if (skillsContent) {
```

```
  new Waypoint({
```

```
    element: skillsContent,
```

```
    offset: '80%',
```

```
    handler: function(direction) {
```

```
      let progress = select('.progress .progress-bar', true);
```

```
      progress.forEach((el) => {
```

```
        el.style.width = el.getAttribute('aria-valuenow') + '%'
```

```
      });
```

```
    }
```

```
  })
```

```
}
```



```
/**
```

```
 * Portfolio isotope and filter
```

```
 */
```

```
window.addEventListener('load', () => {
```

```
  let portfolioContainer = select('.portfolio-container');
```

```
  if (portfolioContainer) {
```

```
    let portfolioIsotope = new Isotope(portfolioContainer, {
```

```
      itemSelector: '.portfolio-item'
```

```
    });
```

```
    let portfolioFilters = select('#portfolio-filters li', true);
```

```
    on('click', '#portfolio-filters li', function(e) {
```

```
      e.preventDefault();
```

```
      portfolioFilters.forEach(function(el) {
```

```
        el.classList.remove('filter-active');
```

```
      });
```

```
this.classList.add('filter-active');
```

```
portfolioIsotope.arrange({
```

```
  filter: this.getAttribute('data-filter')
```

```
});
```

```
portfolioIsotope.on('arrangeComplete', function() {
```

```
  AOS.refresh()
```

```
});
```

```
}, true);
```

```
}
```

```
});
```

```
/**
```

```
 * Initiate portfolio lightbox
```

```
 */
```

```
const portfolioLightbox = GLightbox({
```

```
  selector: '.portfolio-lightbox'
```

```
});  
/** Portfolio details sliderspeed: 400,  
    loop: true,  
  
    autoplay: {  
  
        delay: 5000,  
  
        disableOnInteraction: false  
  
    },  
  
    pagination: {  
  
        el: '.swiper-pagination',  
  
        easing: "ease-in-out",  
  
        once: true,  
  
    });  
  
});  
  
}
```