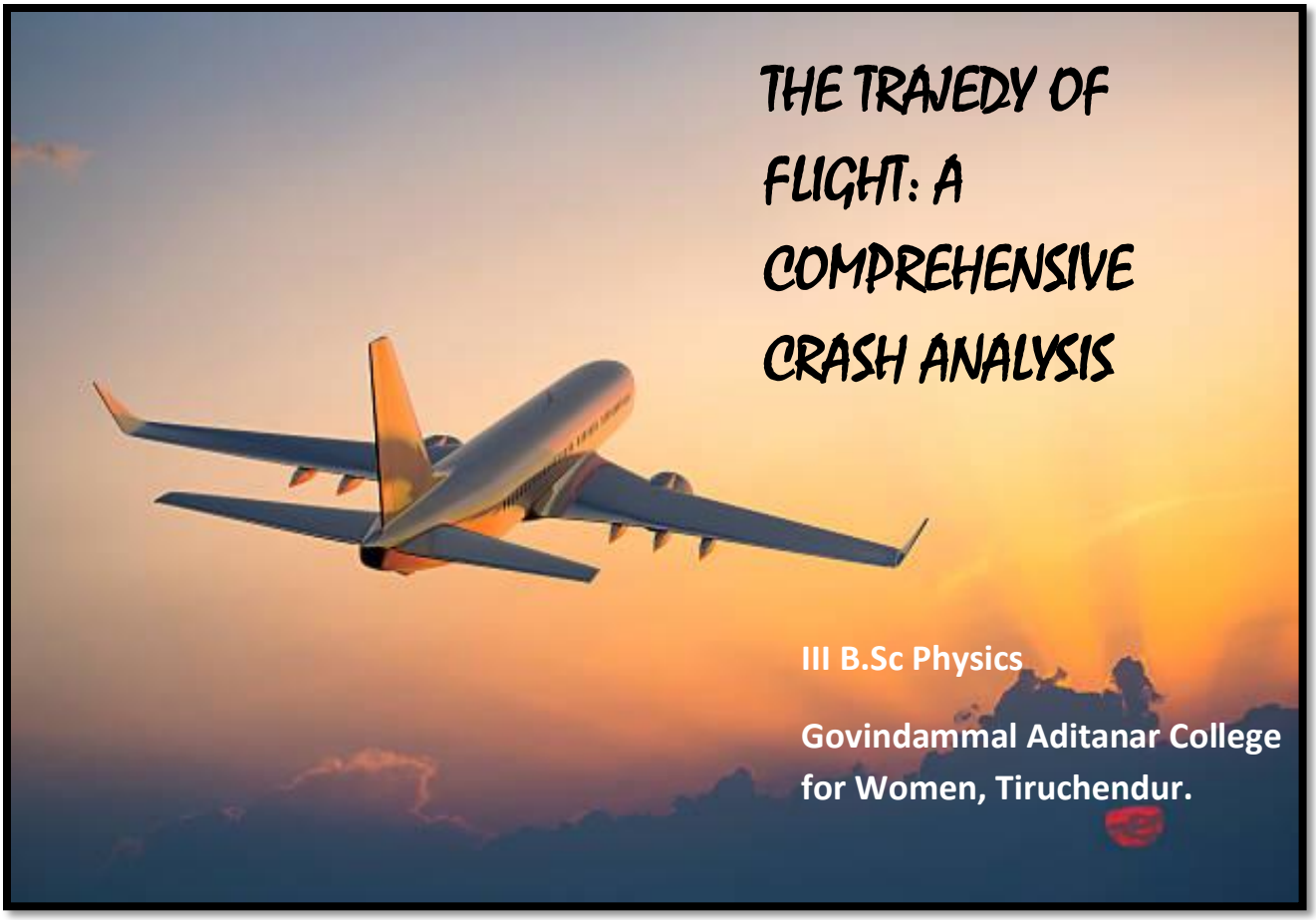


TEAM MEMBERS:

1. Santhiya.D
2. Sharmila.M
3. Shobana.M
4. Bavatharani.L

TRAJEDY OF FLIGHT: A COMPREHENSIVE CRASH ANALYSIS

1.INTRODUCTION:

1.1OVERVIEW

The second most cause of weather related aviation accidents is due to fog. Flying in fog is quite challenging even for most experienced pilots. In this analysis the aviation accidents caused due to fog is analyzed and visualized. The major challenges faced by the pilots are the reduction of visibility. The pilots rely only on the controller and navigation system for landing and takeoff .Fog reduces the visibility of the runway lighting which makes landing and takeoff difficult. The analysis mainly focuses on providing the information about major causes of accidents and thereby generating preventive measures for avoiding such accidents future.

1.2 PURPOSE

The purpose is to identify the potential causes of the accident due to fog and to find feasible insights.

Potential causes:

- ✓ *Fog reduces the visibility of the pilot. It is difficult to land or take off an aircraft in poor visibility.*
- ✓ *Fog can cause difficulty in accessing the aircrafts position on the airfield.*
- ✓ *Fog remains notoriously challenging to predict.*
- ✓ *Flight routes are planned in advance; unpredicted weather changes can cause havoc.*
- ✓ *Pilots misjudge weather and not paying attention to the seriousness of the weather.*

- ✓ *Operator and controller not providing proper information while landing and takeoff in fog.*
- ✓ *An island of Newfoundland, Canada is the foggiest place in the world and faced large number of crashes.*
- ✓ *Instrumental error can increase potential risk of accidents.*

Feasible Insights:

- ✓ *Instrument Landing System (ILS) provide accurate azimuth and precession in fog and use localizer while landing.*
- ✓ *CAT IIIC, an advance technique allows us to land in thick fog.*
- ✓ *Pilots must train for Low Visibility Landing Procedure (LVP) and have to undergo longer taxing time while landing.*
- ✓ *Pilots can use the facility of Auto land facility at a height of 200 feet, if installed.*
- ✓ *Installation of Guide Path Antenna, Infrared lighting arrangement in runway.*
- ✓ *Use of Runway Visual Range (RVR) technique to measure the visibility of pilot.*
- ✓ *Greater distance between planes in the airport should be maintained.*

PROBLEM DEFINITION AND DESIGN THINKING:

2.1 *Empathy Map:*

The information which is included in the empathy map is:

Hear:

- ✓ *Risk increases in winter months (December to March).*
- ✓ *World's Foggiest airport is Arcata-Eureka airport in California.*
- ✓ *Flying in Fog deadly hazardous.*
- ✓ *Many fights delay and cancellation.*
- ✓ *Each year 440 people killed due to weather problem.*

Think and feel:

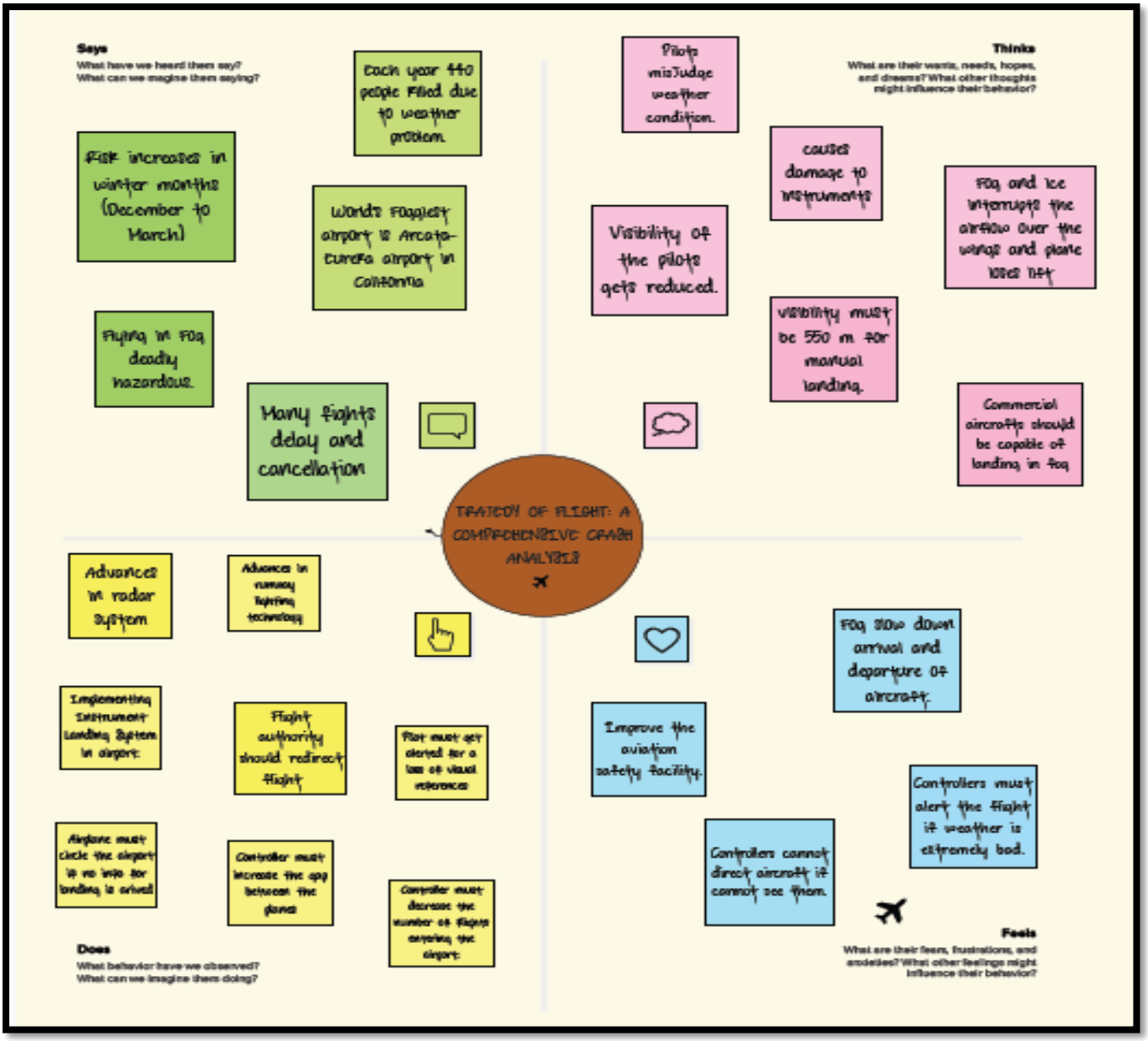
- ✓ *Pilots misjudge weather condition.*
- ✓ *Visibility of the pilots gets reduced.*
- ✓ *Fog and ice interrupts the airflow over the wings and plane loses lift.*
- ✓ *Visibility must be 550 m for manual landing.*
- ✓ *Commercial aircrafts should be capable of landing in fog.*
- ✓ *Causes damage to instruments.*

See:

- ✓ *Advances in radar system.*
- ✓ *Advances in runway lighting technology.*
- ✓ *Implementing Instrument Landing System in airport.*
- ✓ *Flight authority should redirect flight.*
- ✓ *Pilot must get alerted for a loss of visual references.*
- ✓ *Airplane must circle the airport if no info for landing is arrived.*
- ✓ *Controller must increase the gap between the planes.*
- ✓ *Controller must decrease the number of flights entering the airport.*

Say and Do:

- ✓ *Fog slow down arrival and departure of aircraft.*
- ✓ *Controllers cannot direct aircraft if cannot see them.*
- ✓ *Controllers must alert the flight if weather is extremely bad.*
- ✓ *Improve the aviation safety facility.*



2.2 *Ideation and Brainstorming map screenshot:*

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

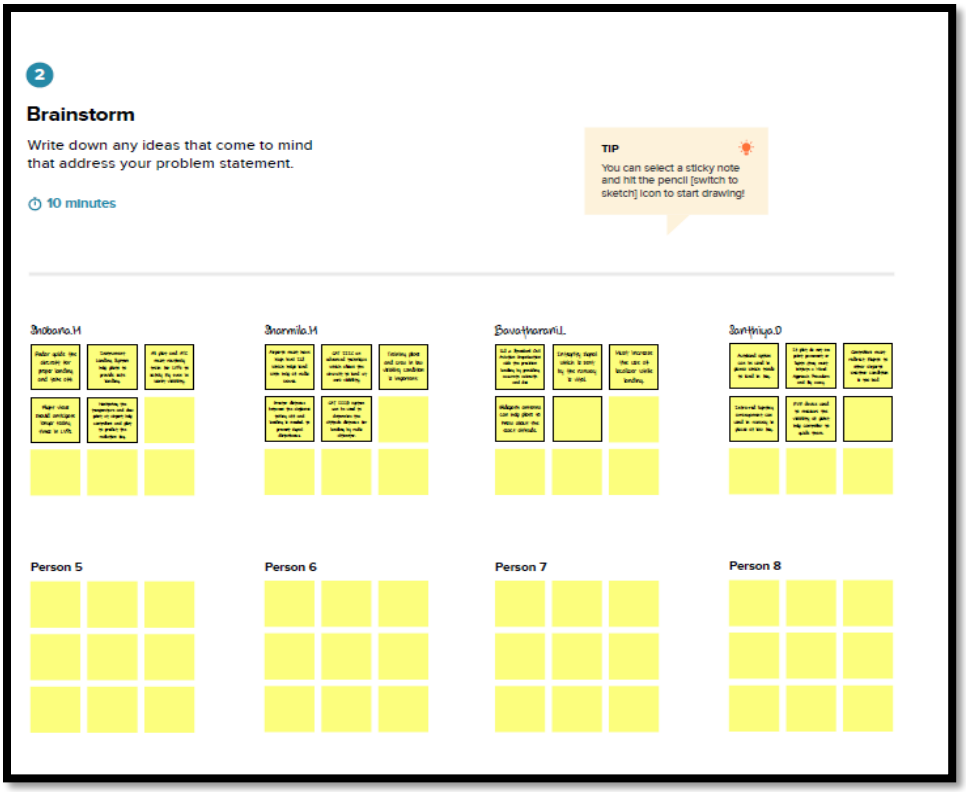
PROBLEM

How might we prevent the aviation crash which is caused due to fog?

Key rules of brainstorming

To run an smooth and productive session

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



The information which is included in the above screenshot is given below:

SHOBANA M

- ✓ *Radar guides the aircraft for proper landing and takeoff.*
- ✓ *Instrument Landing System helps pilots to provide safe landing.*
- ✓ *All pilot and ATC must routinely train for LVPs to safely fly even in worst visibility.*
- ✓ *Flight views should anticipate longer taxing times in LVPs.*
- ✓ *Monitoring the temperature and dew point at airport help controllers and pilot to predict the radiation fog.*

SHARMILA M

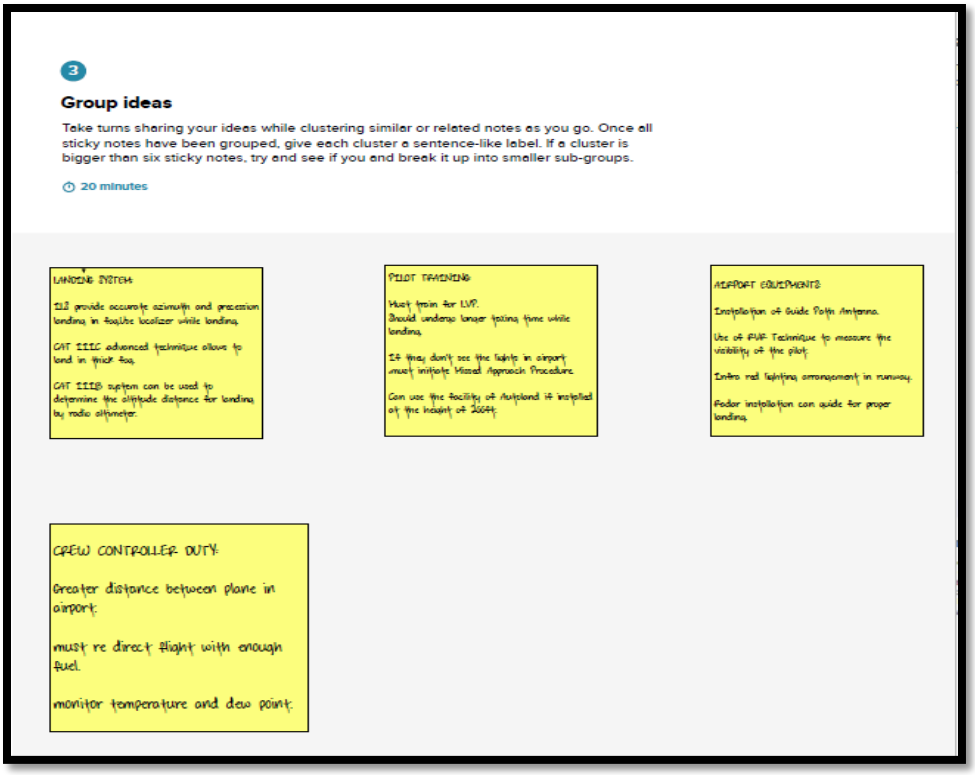
- ✓ *Airports must have high level ILS which helps land with help of radio waves.*
- ✓ *CAT IIIC an advanced technique which allows the aircraft to land at zero visibility.*
- ✓ *Training pilots and crew in low visibility condition is important.*
- ✓ *Greater distance between the airplanes taking off and landing is needed to prevent signal disturbance.*
- ✓ *CAT IIIB system can be used to determine the altitude distance for landing by radio altimeter.*

BAVATHARANI L

- ✓ *ILS, a Standard Civil Aviation Organization aids the precision landing by providing accurate azimuth.*
- ✓ *Integrity signal which is sent by the runway is vital.*
- ✓ *Must increase the use of localizer while landing.*
- ✓ *Glide path antenna can help pilots to know about the exact altitude.*

SANTHIYA D

- ✓ *Auto land option can be used in planes which tends to land in fog.*
- ✓ *If pilot do not see paint pavement or lights ,they must initiate a Mixed Approach Procedure and fly away.*
- ✓ *Controllers must redirect flights to other airports weather condition is too bad*
- ✓ *Infra-red lighting arrangement can used in runway in places of low fog.*
- ✓ *RVR device used to measure the visibility of pilot help controller to guide them.*



The information which is included in the above screenshot is:

LANDING SYSTEM:

- ✓ *ILS provides accurate azimuth and precession landing in fog. Use localizer while landing.*
- ✓ *CAT IIIC, advanced technique allows to land in thick fog.*
- ✓ *CAT IIIB system can be used to determine the altitude distance for landing by radio altimeter.*

PILOT TRAINING:

- ✓ *Must train for LVP.*
- ✓ *Should undergo longer taxing time while landing.*
- ✓ *If they don't see the lights in airport, must initiate Missed Approach Procedure.*
- ✓ *Can use the facility of Auto land if installed at the height of 200ft.*

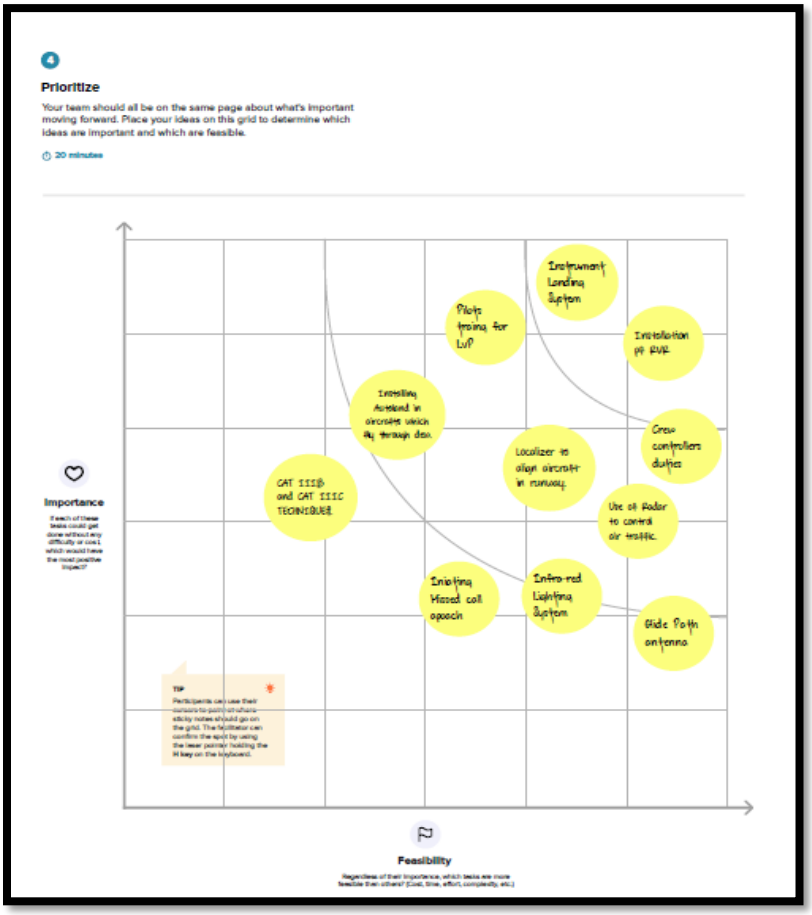
AIRPORT EQUIPMENTS:

- ✓ *Installation of Guide Path Antenna.*
- ✓ *Use of RVR Technique to measure the visibility of the pilot.*

- ✓ *Infra red lighting arrangement in runway.*
- ✓ *Radar installation can guide for proper landing.*

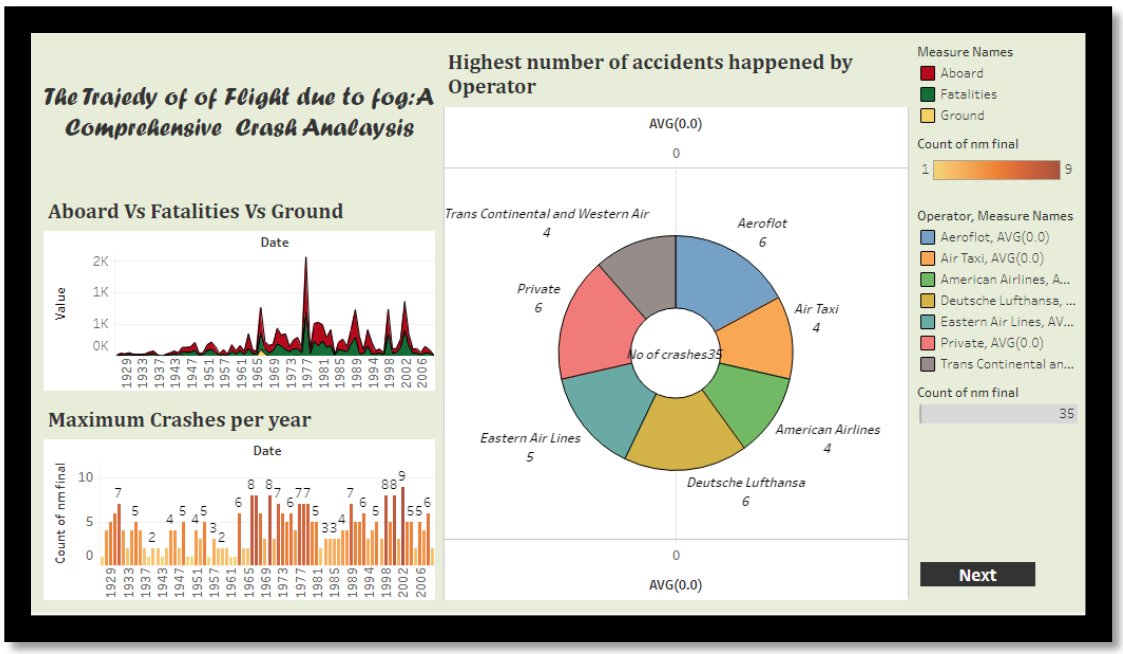
CREW CONTROLLER DUTY:

- ✓ *Greater distance between planes in airport.*
- ✓ *Must re direct flight with enough fuel.*
- ✓ *Monitor temperature and dew point.*

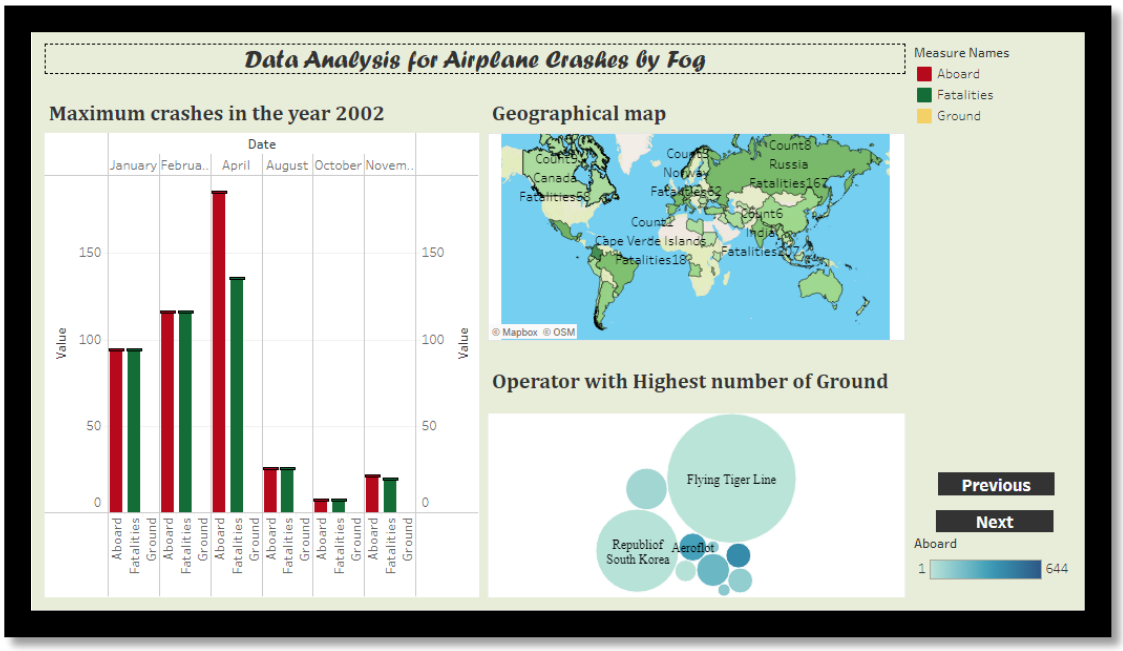


RESULT:

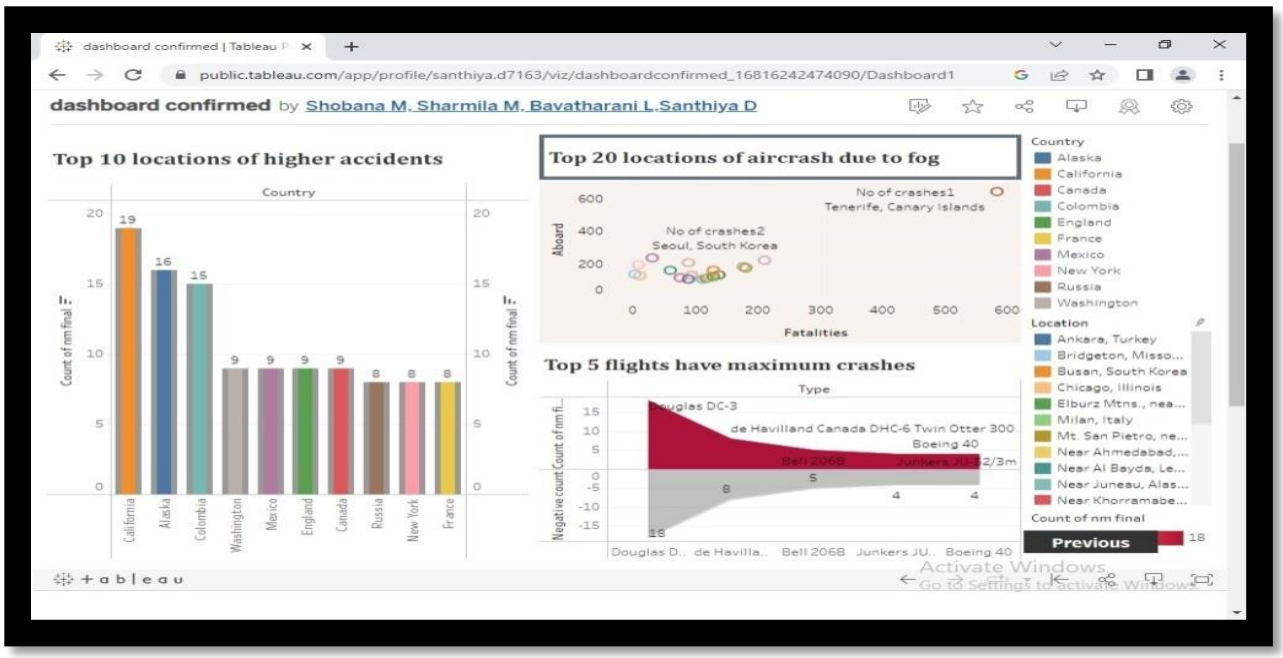
Dashboard: 1



Dashboard: 2



Dashboard: 3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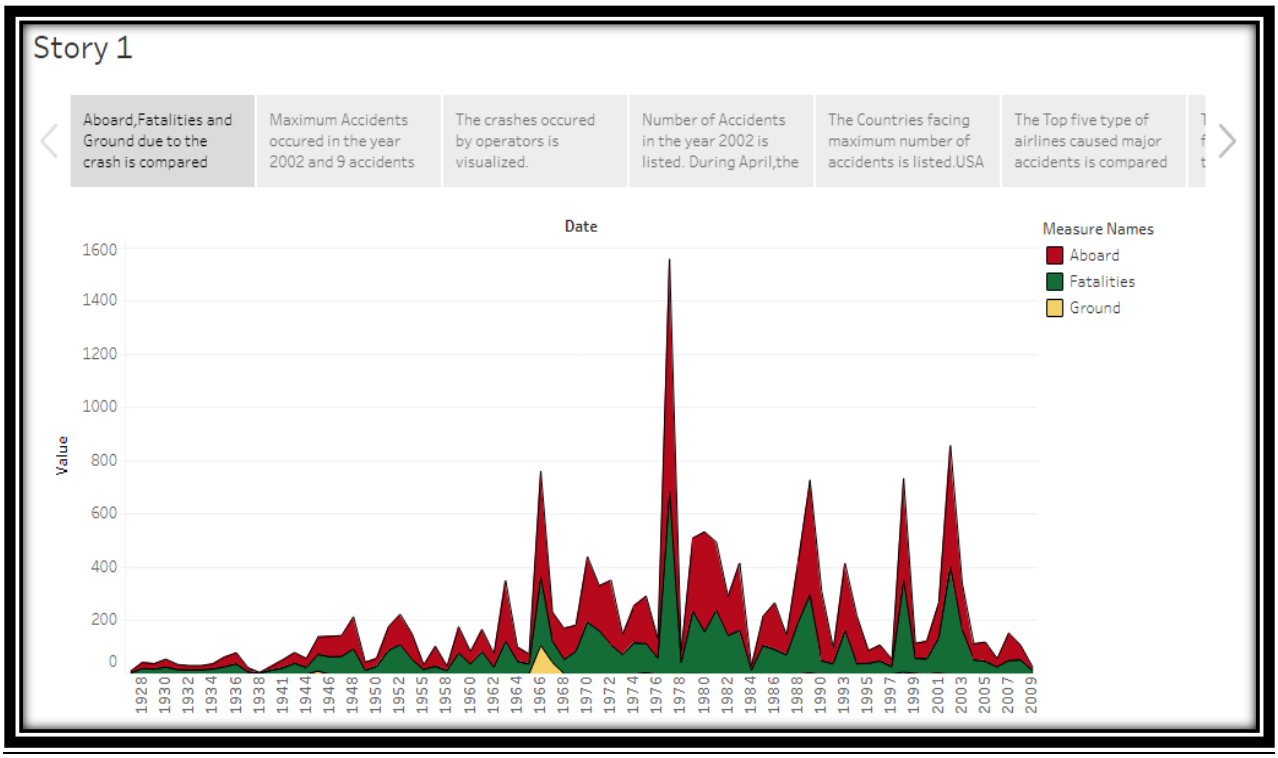
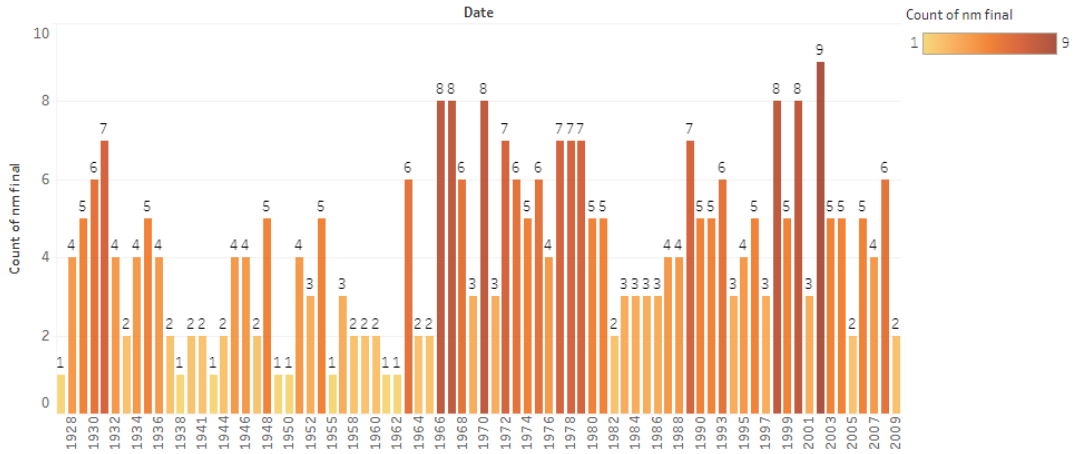
public.tableau.com/app/profile/santhiya.d7163/viz/dashboardconfirmed_16816242474090/Dashboard1
dashboard confirmed by Shobana M, Sharmila M, Bavatharani L,Santhiya D
Top 10 locations of higher accidents
Country
Count of nm final
19
16
15
9
9
9
9
8
8
8
California
Alaska
Colombia
Washington
Mexico
England
Canada
Russia
New York
France
Top 20 locations of aircrash due to fog
Aboard
Fatalities
No of crashes1
Tenerife, Canary Islands
No of crashes2
Seoul, South Korea
Top 5 flights have maximum crashes
Type
Douglas DC-3
de Havilland Canada DHC-6 Twin Otter 300
Boeing 40
Bell 206B
Junkers JU-52/3m
Douglas D..
de Havilla..
Bell 206B
Junkers JU..
Boeing 40
Country
Alaska
California
Canada
Colombia
England
France
Mexico
New York
Russia
Washington
Location
Ankara, Turkey
Bridgeton, Misso...
Busan, South Korea
Chicago, Illinois
Elburz Mtns., nea...
Milan, Italy
Mt. San Pietro, ne...
Near Ahmedabad,...
Near Al Bayda, Le...
Near Juneau, Alas...
Near Khorramabe...
Count of nm final
Previous
18
tableau
Activate Windows
Go to Settings to activate Windows.

Story:


Story 1
Aboard,Fatalities and Ground due to the crash is compared
Maximum Accidents occured in the year 2002 and 9 accidents
The crashes occured by operators is visualized.
Number of Accidents in the year 2002 is listed. During April,the
The Countries facing maximum number of accidents is listed.USA
The Top five type of airlines caused major accidents is compared
Date
Value
Measure Names
Aboard
Fatalities
Ground

Story 1

Aboard,Fatalities and Ground due to the crash is compared | **Maximum Accidents occured in the year 2002 and 9 accidents** | The crashes occured by operators is visualized. | Number of Accidents in the year 2002 is listed. During April,the | The Countries facing maximum number of accidents is listed.USA | The Top five type of airlines caused major accidents is compared



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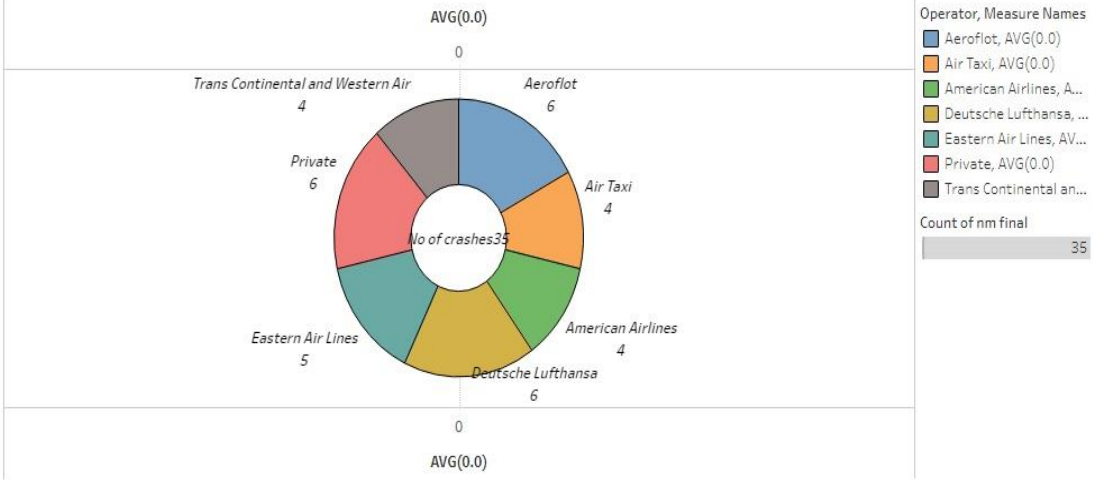

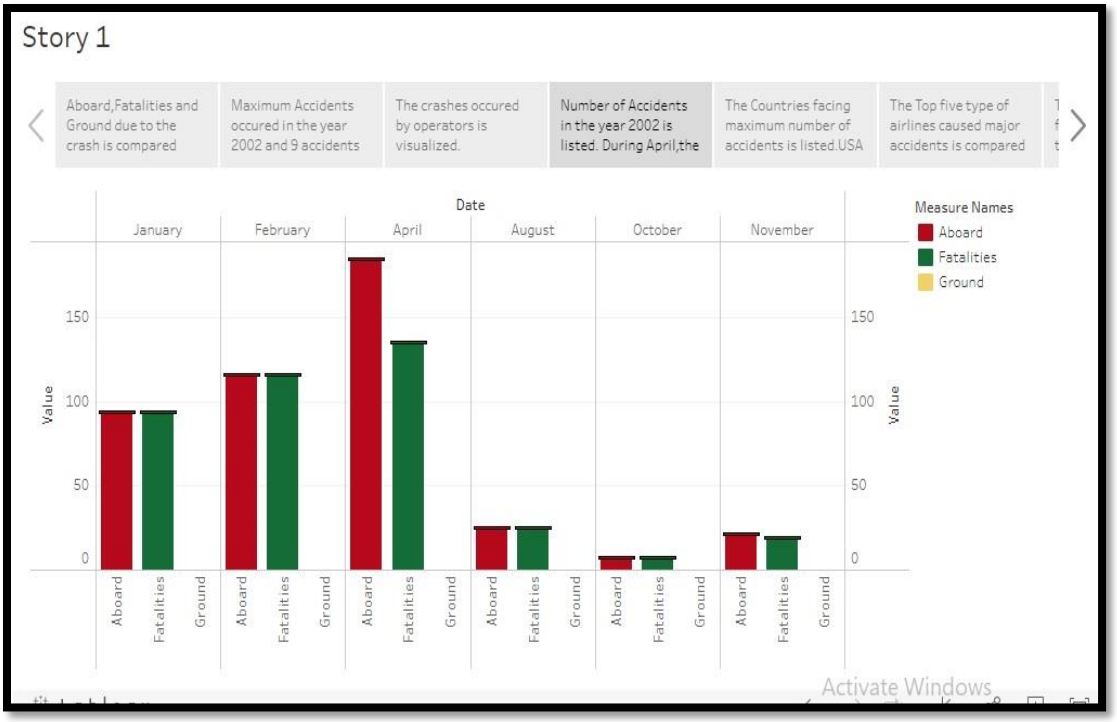
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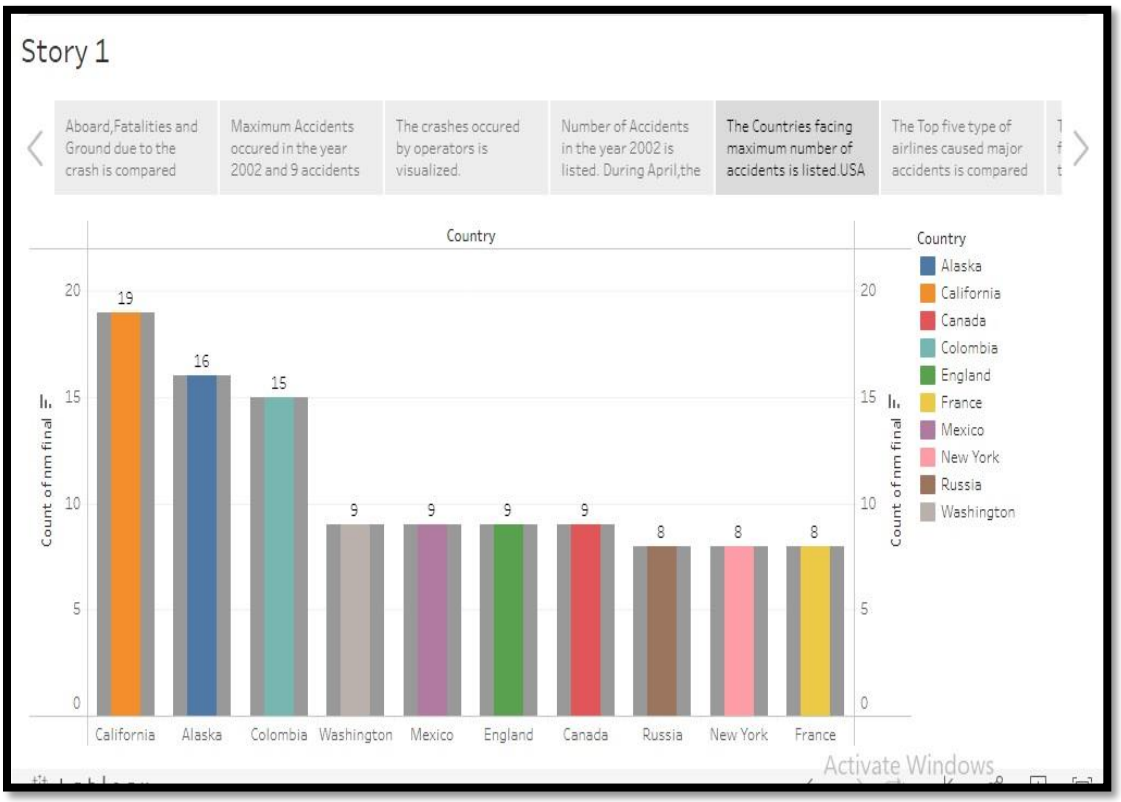
Date
January
February
April
August
October
November
Measure Names
Aboard
Fatalities
Ground
Value
150
100
50
0
Aboard
Fatalities
Ground
Activate Windows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The Top five type of airlines caused major accidents is compared
Country
Alaska
California
Canada
Colombia
England
France
Mexico
New York
Russia
Washington
Count of nm final
20
15
10
5
0
19
16
15
9
9
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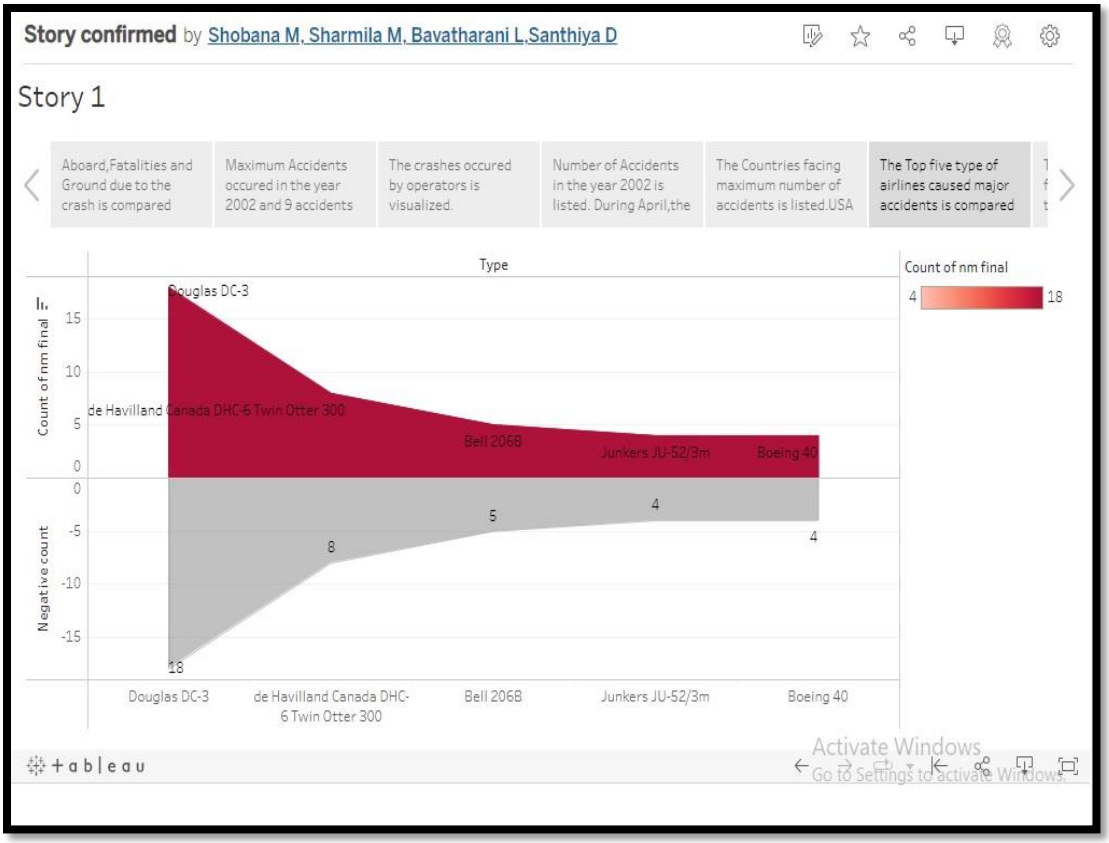
8
8
California
Alaska
Colombia
Washington
Mexico
England
Canada
Russia
New York
France
Activate Windows


Story confirmed by Shobana M, Sharmila M, Bavatharani L,Santhiya D
Story 1
Aboard,Fatalities and Ground due to the crash is compared
Maximum Accidents occured in the year 2002 and 9 accidents
The crashes occured by operators is visualized.
Number of Accidents in the year 2002 is listed. During April,the
The Countries facing maximum number of accidents is listed.USA
The Top five type of airlines caused major accidents is compared
Type
Count of nm final
4
18
Douglas DC-3
de Havilland Canada DHC-6 Twin Otter 300
Bell 206B
Junkers JU-52/3m
Boeing 40
Count of nm final
Negative count
18
8
5
4
4
Douglas DC-3
de Havilland Canada DHC-6 Twin Otter 300
Bell 206B
Junkers JU-52/3m
Boeing 40
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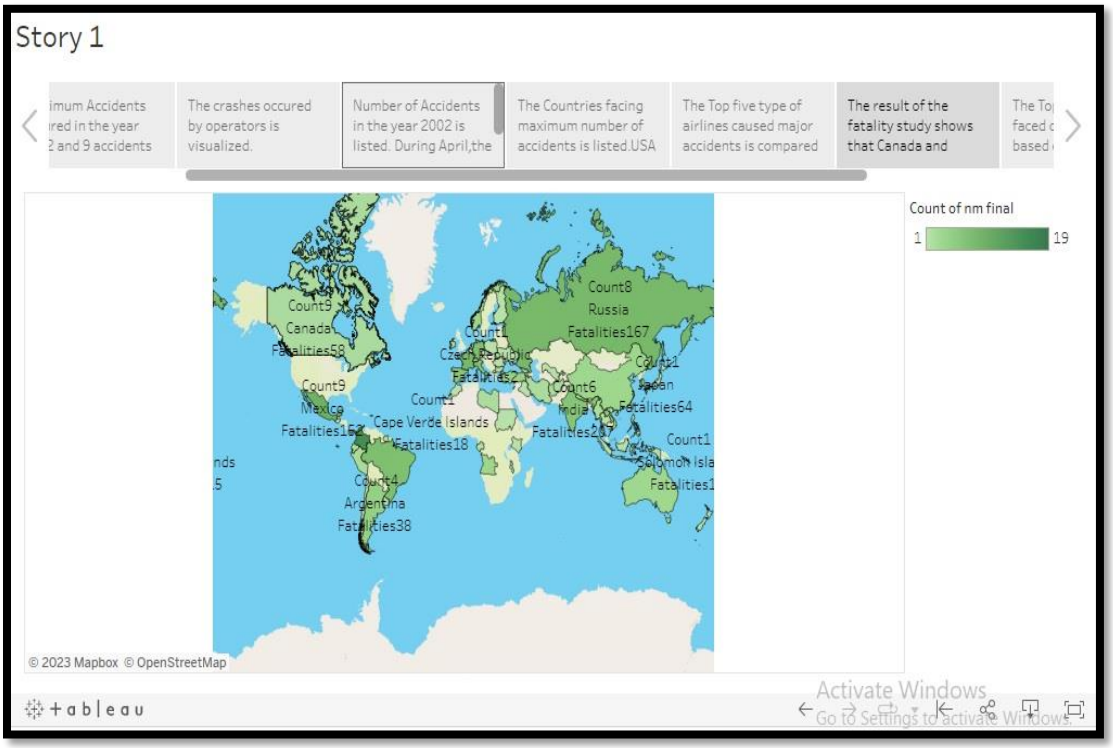
Story 1
The crashes occured by operators is visualized.
Number of Accidents in the year 2002 is listed. During April,the
The Countries facing maximum number of accidents is listed.USA
The Top five type of airlines caused major accidents is compared
The result of the fatality study shows that Canada and
Count of nm final
1
19
Count8
Russia
Fatalities167
Count9
Canada
Count1
Count6
Count1
Cape Verde Islands
Fatalities18
Count1
Count4
Argentina
Fatalities38
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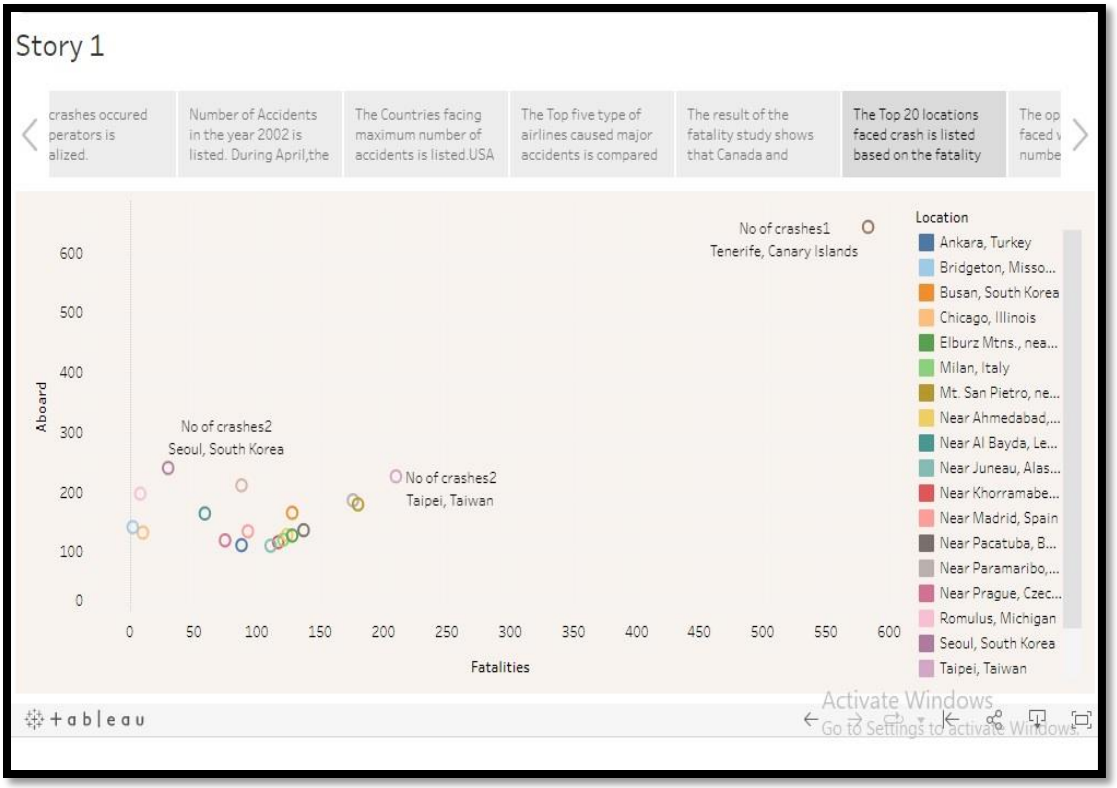
Story 1
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Number of Accidents in the year 2002 is listed. During April,the
The Countries facing maximum number of accidents is listed.USA
The Top five type of airlines caused major accidents is compared
The result of the fatality study shows that Canada and
The Top 20 locations faced crash is listed based on the fatality
The op faced numbe
No of crashes1
Tenerife, Canary Islands
No of crashes2
Seoul, South Korea
No of crashes2
Taipei, Taiwan
Aboard
Fatalities
Location
Ankara, Turkey
Bridgeton, Misso...
Busan, South Korea
Chicago, Illinois
Elburz Mtns., nea...
Milan, Italy
Mt. San Pietro, ne...
Near Ahmedabad,...
Near Al Bayda, Le...
Near Juneau, Alas...
Near Khorramabe...
Near Madrid, Spain
Near Pacatuba, B...
Near Paramaribo,...
Near Prague, Czec...
Romulus, Michigan
Seoul, South Korea
Taipei, Taiwan
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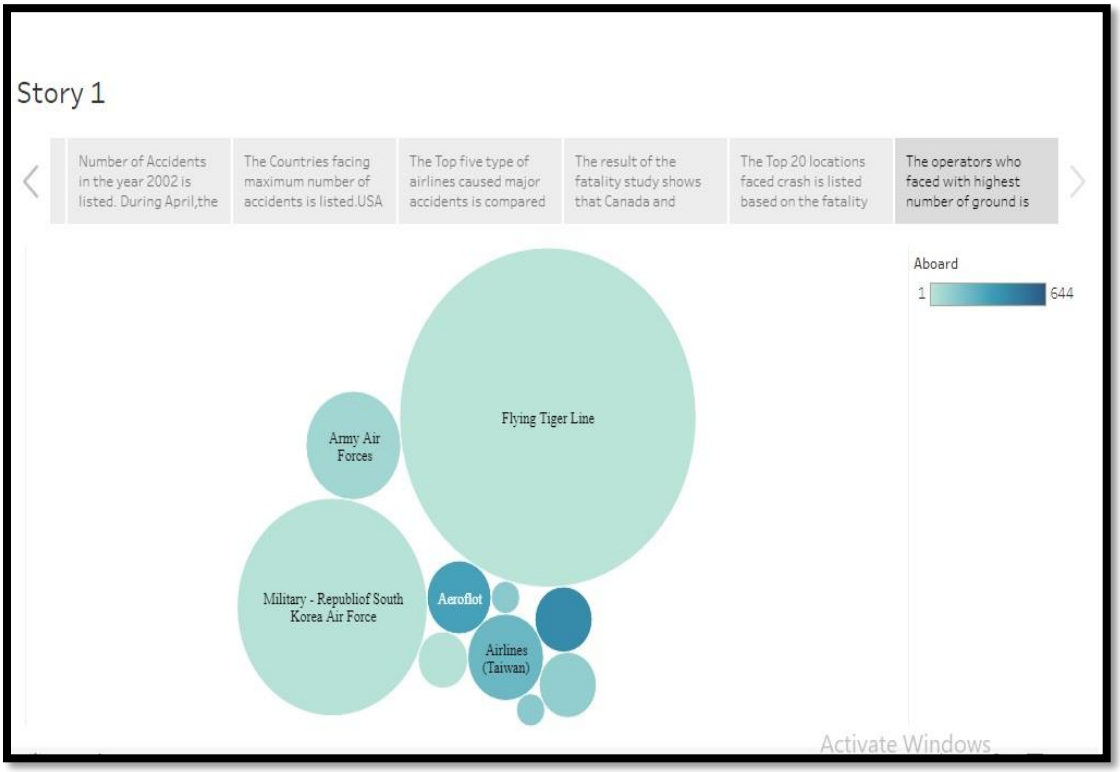
Go to Settings to activate Windows.


Story 1
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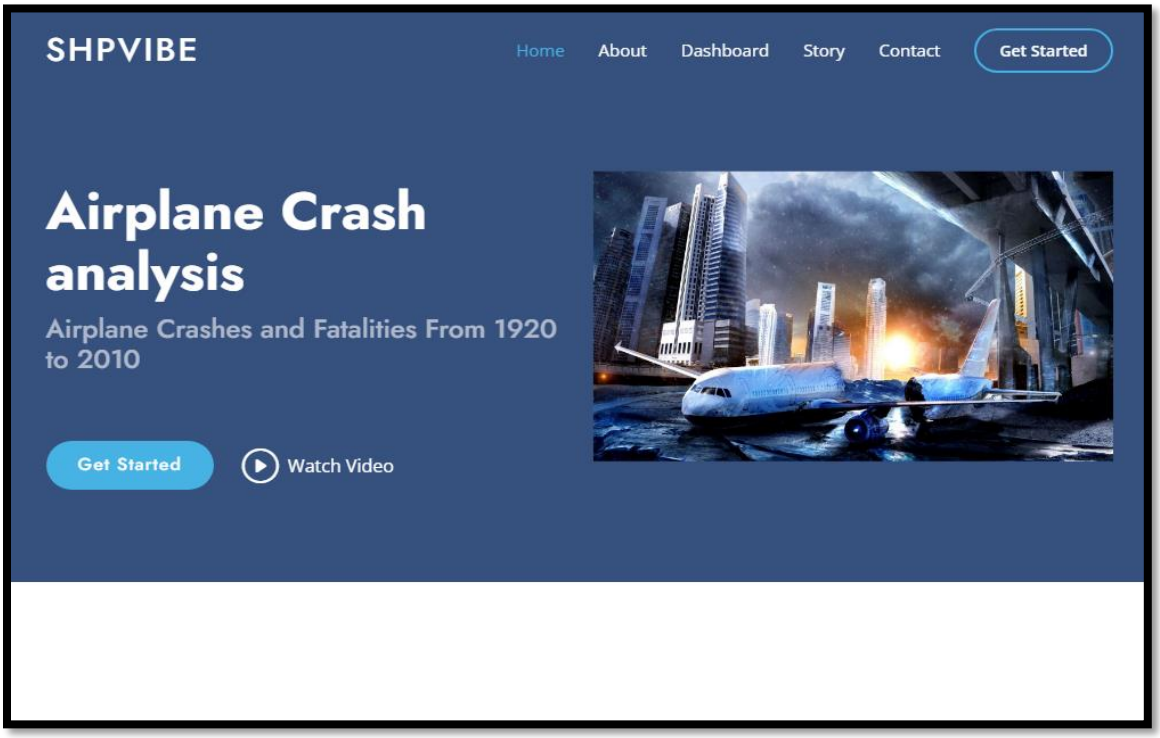
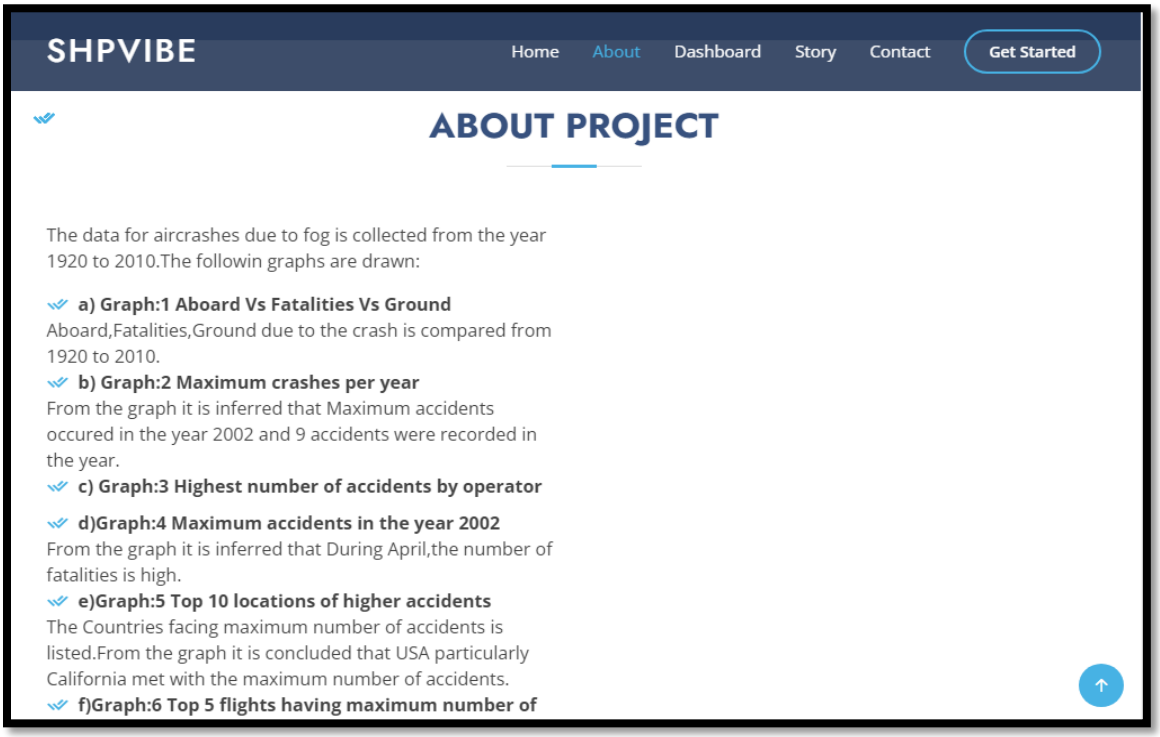
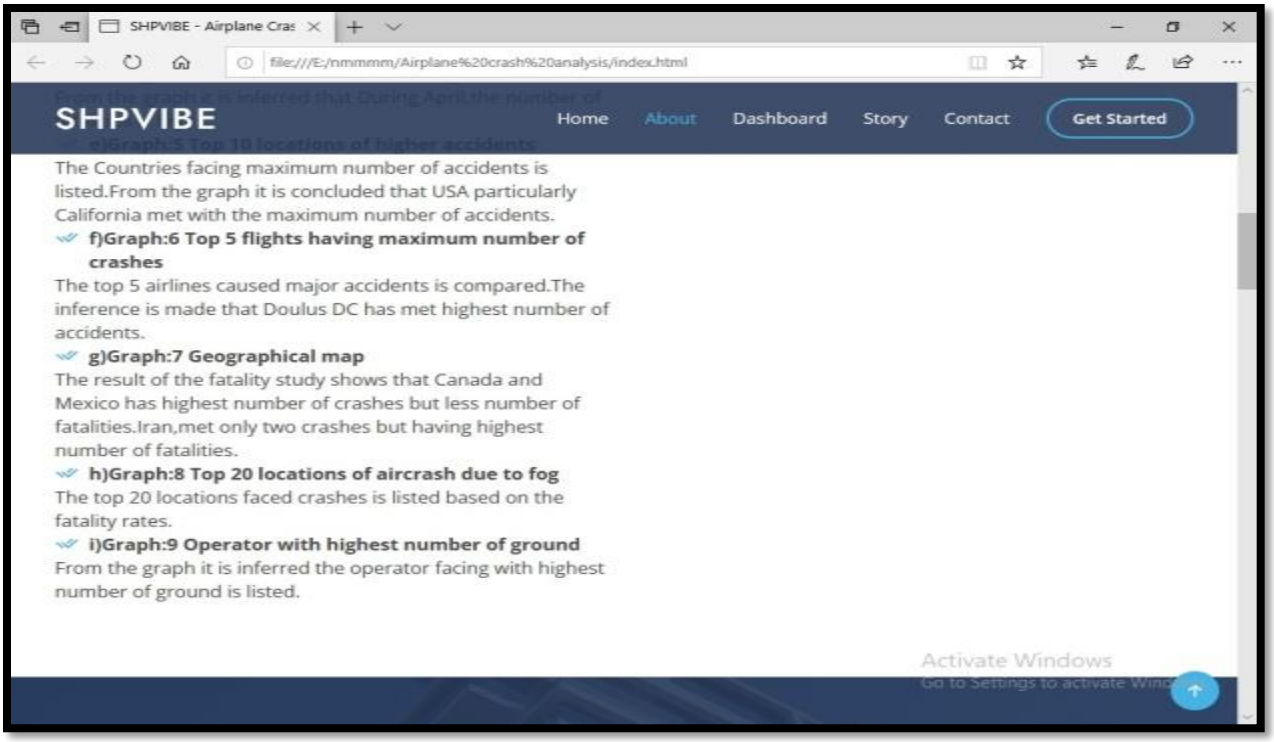
The Countries facing maximum number of accidents is listed.USA
The Top five type of airlines caused major accidents is compared
The result of the fatality study shows that Canada and
The Top 20 locations faced crash is listed based on the fatality
The operators who faced with highest number of ground is
Aboard
1
644
Flying Tiger Line
Army Air Forces
Military - Republiof South Korea Air Force
Aeroflot
Airlines (Taiwan)
Activate Windows

Web Application:






SHPVIBE - Airplane Cras
file:///E:/nmmmm/Airplane%20crash%20analysis/index.html
SHPVIBE
Home
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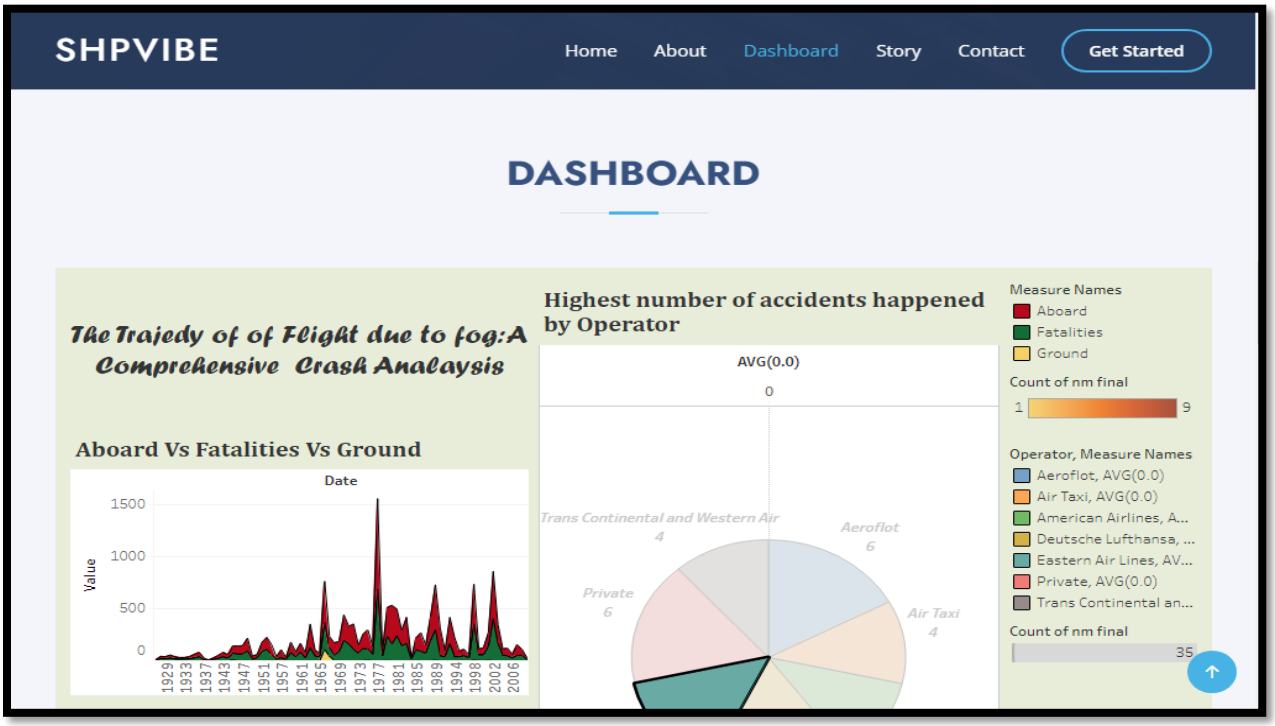
Contact
Get Started
The Countries facing maximum number of accidents is listed.From the graph it is concluded that USA particularly California met with the maximum number of accidents.
f)Graph:6 Top 5 flights having maximum number of crashes
The top 5 airlines caused major accidents is compared.The inference is made that Doulus DC has met highest number of accidents.
g)Graph:7 Geographical map
The result of the fatality study shows that Canada and Mexico has highest number of crashes but less number of fatalities.Iran,met only two crashes but having highest number of fatalities.
h)Graph:8 Top 20 locations of aircrash due to fog
The top 20 locations faced crashes is listed based on the fatality rates.
i)Graph:9 Operator with highest number of ground
From the graph it is inferred the operator facing with highest number of ground is listed.
Activate Windows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Home
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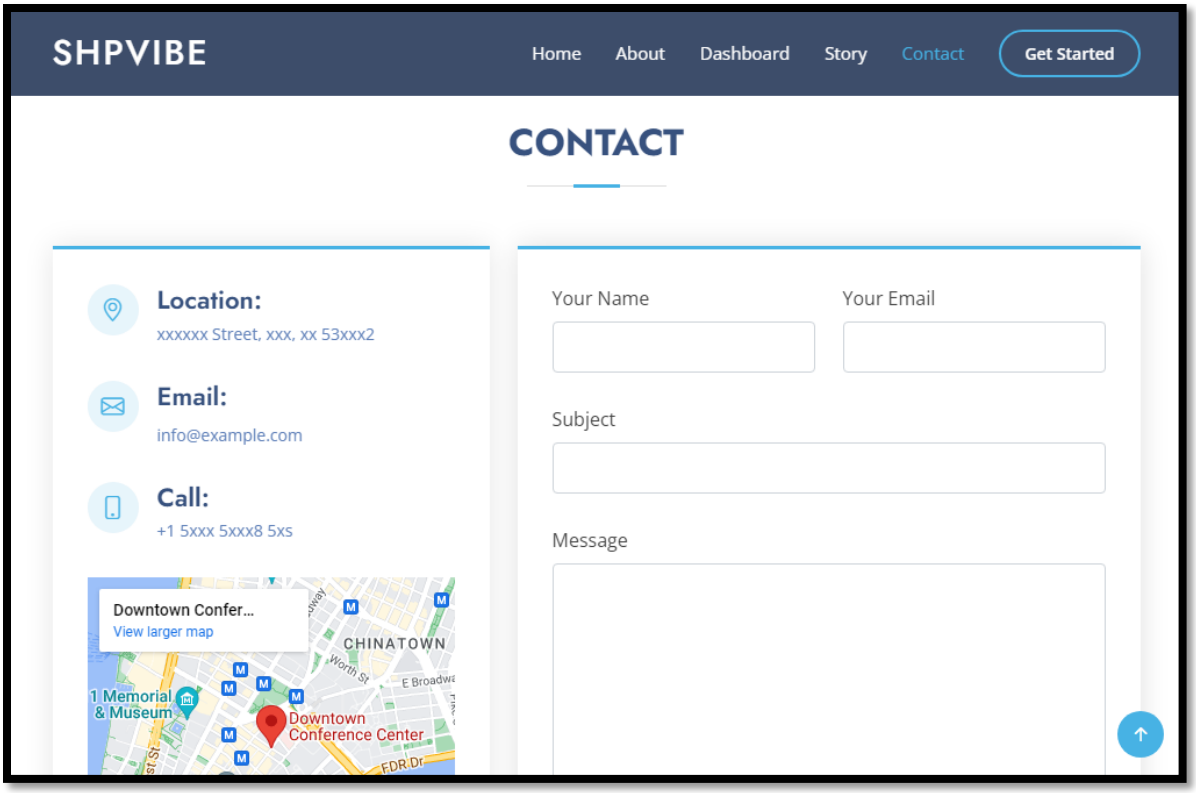
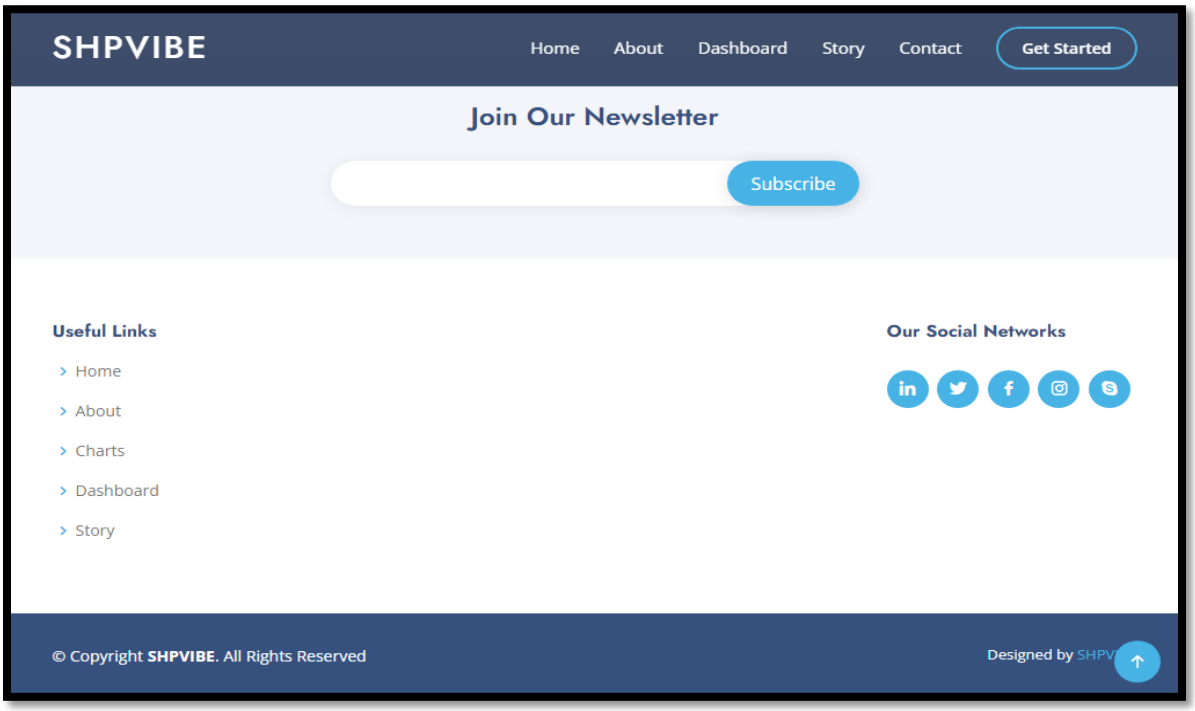
Story
Contact
Get Started
DASHBOARD
The Trajedy of of Flight due to fog:A Comprehensive Crash Analaysis
Aboard Vs Fatalities Vs Ground
Date
Value
1500
1000
500
0
1929
1933
1937
1943
1947
1951
1957
1961
1965
1969
1973
1977
1981
1985
1989
1994
1998
2002
2006
Highest number of accidents happened by Operator
AVG(0.0)
0
Trans Continental and Western Air 4
Aeroflot 6
Private 6
Air Taxi 4
Measure Names
Aboard
Fatalities
Ground
Count of nm final
1
9
Operator, Measure Names
Aeroflot, AVG(0.0)
Air Taxi, AVG(0.0)
American Airlines, A...
Deutsche Lufthansa, ...
Eastern Air Lines, AV...
Private, AVG(0.0)
Trans Continental an...
Count of nm final
35


SHPVIBE
Home
About
Dashboard
Story
Contact
Get Started
Maximum Crashes per year
Date
Count of nm final
No of crashes35
Eastern Air Lines
5
American Airlines
4
Deutsche Lufthansa
6
Air Taxi
4
Count of nm final
35
AVG(0.0)
Next
+ableau
STORY


SHPVIBE
Home
About
Dashboard
Story
Contact
Get Started
Story 1
Aboard,Fatalities and Ground due to the crash is compared
Maximum Accidents occured in the year 2002 and 9 accidents
The crashes occured by operators is visualized.
listed. During April,the number of fatalities is high.
The Countries facing maximum number of accidents is listed.USA
The Top five typ airlines caused accidents is con
Date
Measure Names
Aboard
Fatalities
Ground
Value


SHPVIBE
Home
About
Dashboard
Story
Contact
Get Started
CONTACT
Location:
xxxxxx Street, xxx, xx 53xxx2
Email:
info@example.com
Call:
+1 5xxx 5xxx8 5xs
Downtown Confer...
View larger map
CHINATOWN
1 Memorial & Museum
Downtown Conference Center
FDR Dr
Your Name
Your Email
Subject
Message


SHPVIBE
Home
About
Dashboard
Story
Contact
Get Started
Join Our Newsletter
Subscribe
Useful Links
Home
About
Charts
Dashboard
Story
Our Social Networks
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ADVANTAGES AND DISADVANTAGES:

Advantages:

- ✓ *Maximum accidents can be prevented by using the insights.*
- ✓ *Runway lighting will be improved as Infra Red (IR) lighting in places of mild fog.*
- ✓ *Pilots are allowed to train for Low Visibility Landing Procedure (LVP) routinely and also trained to fly in worst visibility.*
- ✓ *Weather will be checked before landing and takeoff to ensure safety.*
- ✓ *CAT IIIC, CAT IIIB will be installed in the aircrafts which are allowed to land in areas of thick fog such as California.*
- ✓ *Air traffic controllers will re-direct the flight if the climatic condition is poor.*

Disadvantages:

- ✓ *CAT IIIC is a very expensive compared to other prevention measures.*
- ✓ *Instrumental Landing System (ILS) involves the entire re arrangement of the aircraft landing system.*
- ✓ *These measures could not avoid the delay of the flight due to fog.*
- ✓ *Weather is unpredictable. Sudden changes in weather must be informed to the operators at the earliest.*

APPLICATIONS:

The analysis and visualization graphs can be used for understanding the potential threats and feasible insights to avoid such accidents. CAT IIIC, CAT IIIB can be implemented in places of higher accidents and thick fog. The analysis can help in improving the structure and runway path in foggy areas. The analysis is useful in areas of visibility. The analysis is also very in improving the safety and the preventive measures of flight, crew members and passengers.

CONCLUSION:

One of the important causes of aviation accidents is analyzed and visualized. The safety measures provided are useful in preventing further accidents. The flights and the climate must be monitored vigorously in thick fog areas.

FUTURE SCOPE:

Data are extracted from the year 1920 to 2010 for this analysis. If the project is given for further development; the data for the year 2011 to 2023 will be included. More visualization graphs will be drawn for further investigations. The reason for the crash will be included as a column for a detailed classification of crashes. Based on the observations insights for every separate region can be provided in future.

APPENDIX:

SOURCE CODE:

```
<!DOCTYPE html>

<html lang="en">


<head>

  <meta charset="utf-8">

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


  <title>SHPVIBE - Airplane Crash</title>

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

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

  <!-- Favicons -->
  <link href="assets/img/favicon.png" rel="icon">
  <link href="assets/img/apple-touch-icon.png" rel="apple-touch-icon">

  <!-- Google Fonts -->
  <link
href="https://fonts.googleapis.com/css?family=Open+Sans:300,300i,400,400i,600,600i,700,700
i|Jost:300,300i,400,400i,500,500i,600,600i,700,700i|Poppins:300,300i,400,400i,500,500i,600,6
00i,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">

  <!-- =======================================================
```

```
  * 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/
  ======================================================== -->
</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">SHPVIBE</a></h1>
      <!-- Uncomment below if you prefer to use an image logo -->
      <!-- <a href="index.html" class="logo me-auto"><img src="assets/img/logo.png" alt="" class="img-fluid"></a>-->

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

        <li><a class="nav-link scrollto" href="#pricing">Story</a></li>

        <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
        <li><a class="getstarted scrollto" href="#about">Get Started</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>Airplane Crash analysis</h1>
        <h2>Airplane Crashes and Fatalities From 1920 to 2010</h2>
        <div class="d-flex justify-content-center justify-content-lg-start">
          <a href="#about" class="btn-get-started scrollto">Get Started</a>
```

```
          <a href="https://www.youtube.com/@thesmartbridge/videos" 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">

        <img src="assets/img/a1.jpg" class="img-fluid animated" alt="">

      </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 Project</h2>

      </div>


      <div class="row content">

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

          <p>
```

The data for aircrashes due to fog is collected from the year 1920 to 2010.The followin graphs are drawn:

</p>

 a) Graph:1 Aboard Vs Fatalities Vs Ground

Aboard,Fatalities,Ground due to the crash is compared from 1920 to 2010.

b) Graph:2 Maximum crashes per year

 From the graph it is inferred that Maximum accidents occured in the year 2002 and 9 accidents were recorded in the year.

c) Graph:3 Highest number of accidents by operator

 d)Graph:4 Maximum accidents in the year 2002

 From the graph it is inferred that During April,the number of fatalities is high.

 e)Graph:5 Top 10 locations of higher accidents

 The Countries facing maximum number of accidents is listed.From the graph it is concluded that USA particularly California met with the maximum number of accidents.

 f)Graph:6 Top 5 flights having maximum number of crashes

 The top 5 airlines caused major accidents is compared.The inference is made that Doulus DC has met highest number of accidents.

 g)Graph:7 Geographical map

 The result of the fatality study shows that Canada and Mexico has highest number of crashes but less number of fatalities.Iran,met only two crashes but having highest number of fatalities.

 h)Graph:8 Top 20 locations of aircrash due to fog

 The top 20 locations faced crashes is listed based on the fatality rates.

 i)Graph:9 Operator with highest number of ground

 From the graph it is inferred the operator facing with highest number of ground is listed.

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

<!-- ======= Cta Section ======= -->

<section id="cta" class="cta">

```
        <h3>Call To Action</h3>

        </div>

       <div class="col-lg-3 cta-btn-container text-center">

        <a class="cta-btn align-middle" href="#">Call To Action</a>

       </div>

      </div>


    </div>

  </section><!-- End Cta Section -->

  <!-- ======= Team Section ======= -->

  <section id="team" class="team section-bg">

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


      <div class="section-title">

       <h2>Dashboard</h2>

        </div>

        <div class='tableauPlaceholder' id='viz1681624311651' style='position:
relative'><noscript><a href='#'><img alt='The Trajedy of of Flight due to fog:A Comprehensive
Crash Analaysis '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;da&#47;dashboardconf
irmed_16816242474090&#47;Dashboard1&#47;1_rss.png' style='border: none'
/></a></noscript><object class='tableauViz'  style='display:none;'><param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version'
value='3' /> <param name='site_root' value='' /><param name='name'
value='dashboardconfirmed_16816242474090&#47;Dashboard1' /><param name='tabs'
value='no' /><param name='toolbar' value='yes' /><param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;da&#47;dashboardc
onfirmed_16816242474090&#47;Dashboard1&#47;1.png' /> <param
name='animate_transition' value='yes' /><param name='display_static_image' value='yes'
```

/><param name='display_spinner' value='yes' /><param name='display_overlay' value='yes' /><param name='display_count' value='yes' /><param name='language' value='en-US' /></object> <script type='text/javascript'> var divElement = document.getElementById('viz1681624311651'); var vizElement = divElement.getElementsByTagName('object')[0]; if (divElement.offsetWidth > 800) { vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';} else if (divElement.offsetWidth > 500) { vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';} else { vizElement.style.width='100%';vizElement.style.height='1327px';} var scriptElement = document.createElement('script'); scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js'; vizElement.parentNode.insertBefore(scriptElement, vizElement); </script>

</section><!-- End Team Section -->

<!-- ======= Pricing Section ======= -->

<section id="pricing" class="pricing">

<h2>Story</h2>

<noscript></noscript><object class='tableauViz' style='display:none;'><param name='host_url' value='https%3A%2F%2Fpublic.tableau.com%2F' /> <param name='embed_code_version' value='3' /> <param name='site_root' value='' /><param name='name' value='Storyconfirmed/Story1' /><param name='tabs' value='no' /><param name='toolbar' value='yes' /><param name='static_image' value='https://public.tableau.com/static/images/St/Storyconfirmed/Story1/1.png' /> <param name='animate_transition' value='yes' /><param

```
name='display_static_image' value='yes' /><param name='display_spinner' value='yes'
/><param name='display_overlay' value='yes' /><param name='display_count' value='yes'
/><param name='language' value='en-US' /></object></div>              <script
type='text/javascript'>                var divElement =
document.getElementById('viz1681623914465');                var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='100%';vizElement.style.height=(divElement.offsetWidth*0.75)+'px';
var scriptElement = document.createElement('script');                scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);              </script>

  </section><!-- End Pricing Section -->



  <!-- ======= Contact Section ======= -->

  <section id="contact" class="contact">

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


      <div class="section-title">

        <h2>Contact</h2>

        </div>


      <div class="row">


        <div class="col-lg-5 d-flex align-items-stretch">

          <div class="info">

            <div class="address">

              <i class="bi bi-geo-alt"></i>
```

```
          <h4>Location:</h4>
          <p>xxxxxx Street, xxx, xx 53xxx2</p>
        </div>

        <div class="email">
          <i class="bi bi-envelope"></i>
          <h4>Email:</h4>
          <p>info@example.com</p>
        </div>

        <div class="phone">
          <i class="bi bi-phone"></i>
          <h4>Call:</h4>
          <p>+1 5xxx 5xxx8 5xs</p>
        </div>

        <iframe
src="https://www.google.com/maps/embed?pb=!1m14!1m8!1m3!1d12097.433213460943!2d-74.0062269!3d40.7101282!3m2!1i1024!2i768!4f13.1!3m3!1m2!1s0x0%3A0xb89d1fe6bc499443!2sDowntown+Conference+Center!5e0!3m2!1smk!2sbg!4v1539943755621" frameborder="0" style="border:0; width: 100%; height: 290px;" allowfullscreen></iframe>
      </div>

    </div>

    <div class="col-lg-7 mt-5 mt-lg-0 d-flex align-items-stretch">
```

```
<form action="forms/contact.php" method="post" role="form" class="php-email-form">
 <div class="row">
  <div class="form-group col-md-6">
   <label for="name">Your Name</label>
   <input type="text" name="name" class="form-control" id="name" required>
  </div>
  <div class="form-group col-md-6">
   <label for="name">Your Email</label>
   <input type="email" class="form-control" name="email" id="email" required>
  </div>
 </div>
 <div class="form-group">
  <label for="name">Subject</label>
  <input type="text" class="form-control" name="subject" id="subject" required>
 </div>
 <div class="form-group">
  <label for="name">Message</label>
  <textarea class="form-control" name="message" rows="10" required></textarea>
 </div>
 <div class="my-3">
  <div class="loading">Loading</div>
  <div class="error-message"></div>
  <div class="sent-message">Your message has been sent. Thank you!</div>
 </div>
```

```
          <div class="text-center"><button type="submit">Send Message</button></div>
        </form>
       </div>

     </div>

   </div>
  </section><!-- End Contact Section -->

</main><!-- End #main -->

<!-- ======= Footer ======= -->
<footer id="footer">

  <div class="footer-newsletter">
   <div class="container">
    <div class="row justify-content-center">
     <div class="col-lg-6">
      <h4>Join Our Newsletter</h4>

      <form action="" method="post">
       <input type="email" name="email"><input type="submit" value="Subscribe">
      </form>
     </div>
```

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

<div class="footer-top">
  <div class="container">
    <div class="row">



      <div class="col-lg-3 col-md-6 footer-links">
        <h4>Useful Links</h4>
        <ul>
          <li><i class="bx bx-chevron-right"></i> <a href="#hero">Home</a></li>
          <li><i class="bx bx-chevron-right"></i> <a href="#about">About</a></li>
          <li><i class="bx bx-chevron-right"></i> <a href="#portfolio">Charts</a></li>
          <li><i class="bx bx-chevron-right"></i> <a href="#team">Dashboard</a></li>
          <li><i class="bx bx-chevron-right"></i> <a href="#pricing">Story</a></li>
        </ul>
      </div>

      <div class="col-lg-3 col-md-6 footer-links">
        <h4></h4>
        <ul>
```

```
  </ul>
 </div>
 <div class="col-lg-3 col-md-6 footer-links">
  <h4></h4>
  <ul>

  </ul>
 </div>

 <div class="col-lg-3 col-md-6 footer-links">
  <h4>Our Social Networks</h4>

  <div class="social-links mt-3">
   <a href="https://www.linkedin.com/in/hariprabu741/" class="linkedin"><i class="bx bxl-linkedin"></i></a>
   <a href="#" class="twitter"><i class="bx bxl-twitter"></i></a>
   <a href="#" class="facebook"><i class="bx bxl-facebook"></i></a>
   <a href="#" class="instagram"><i class="bx bxl-instagram"></i></a>
   <a href="#" class="google-plus"><i class="bx bxl-skype"></i></a>

  </div>
 </div>
```

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

  <div class="container footer-bottom clearfix">
    <div class="copyright">
      &copy; Copyright <strong><span>SHPVIBE</span></strong>. All Rights Reserved
    </div>
    <div class="credits">
      <!-- All the links in the footer should remain intact. -->
      <!-- You can delete the links only if you purchased the pro version. -->
      <!-- Licensing information: https://bootstrapmade.com/license/ -->
      <!-- Purchase the pro version with working PHP/AJAX contact form: https://bootstrapmade.com/arsha-free-bootstrap-html-template-corporate/ -->
      Designed by <a href="https://bootstrapmade.com/">SHPVIBE</a>
    </div>
  </div>
</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>
```

THANK YOU