

## 1 INTRODUCTION

### 1.1 Overview

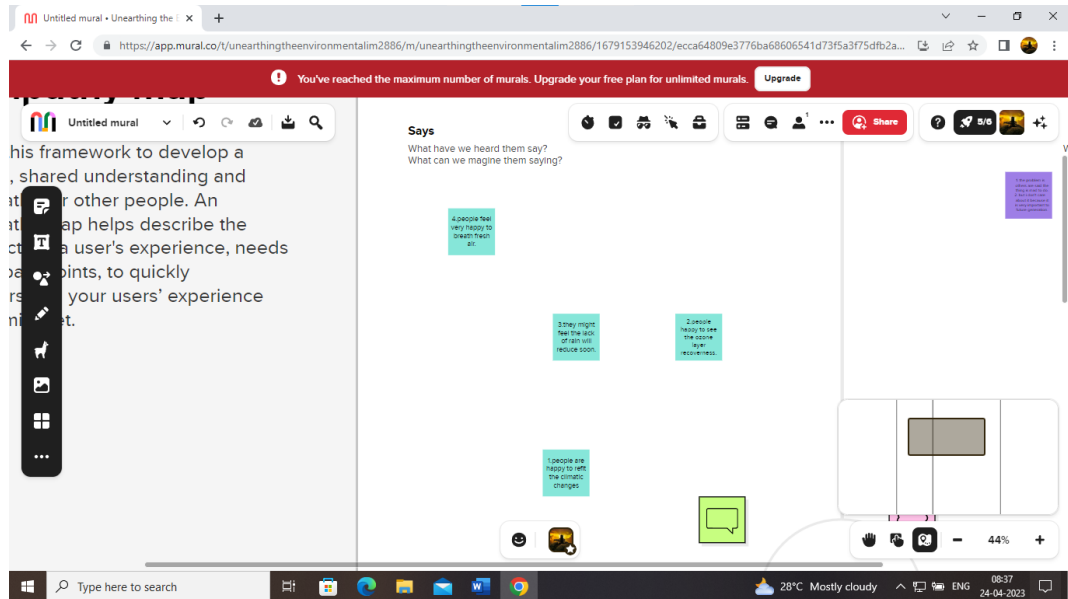
In this project show that the co2 percentage level in year and country wise and what are the various steps to control it.

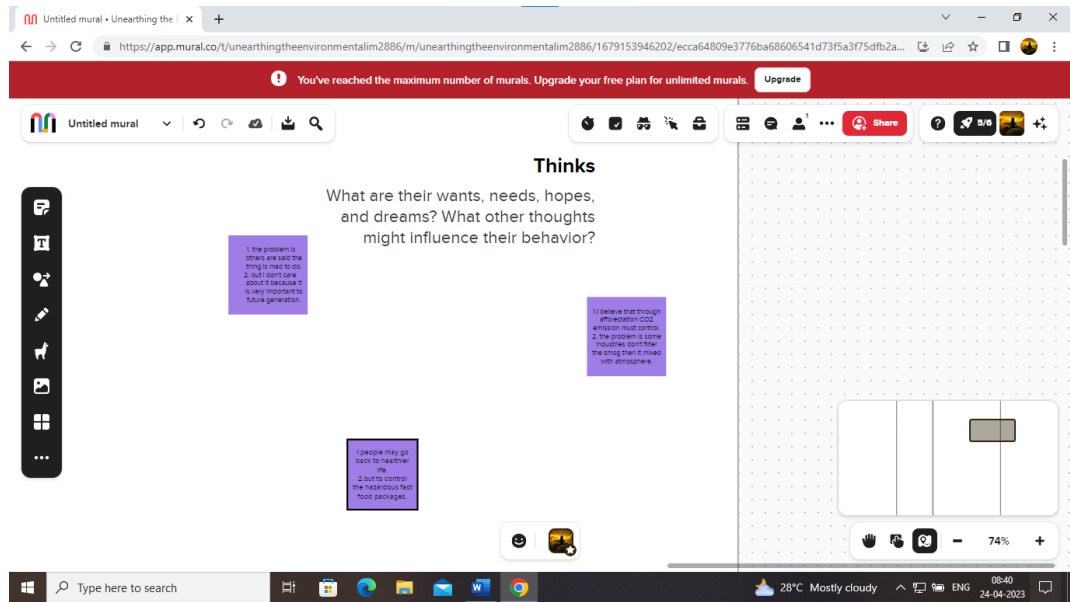
### 1.2 Purpose

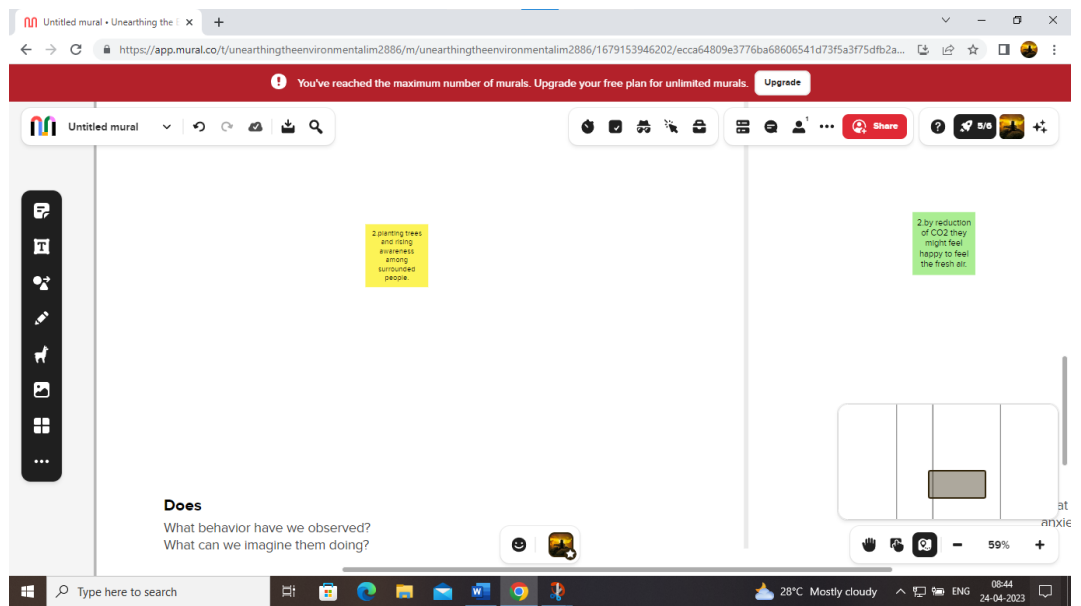
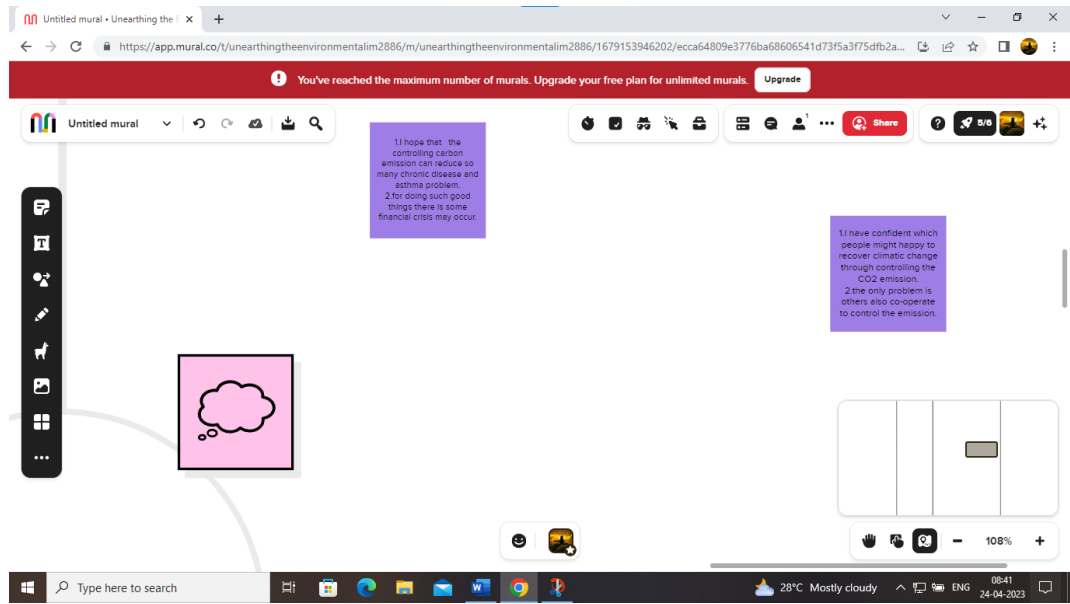
This project is base for our future generation through the control of CO2 emission. We can able to give fresh air and soil to the future generation.

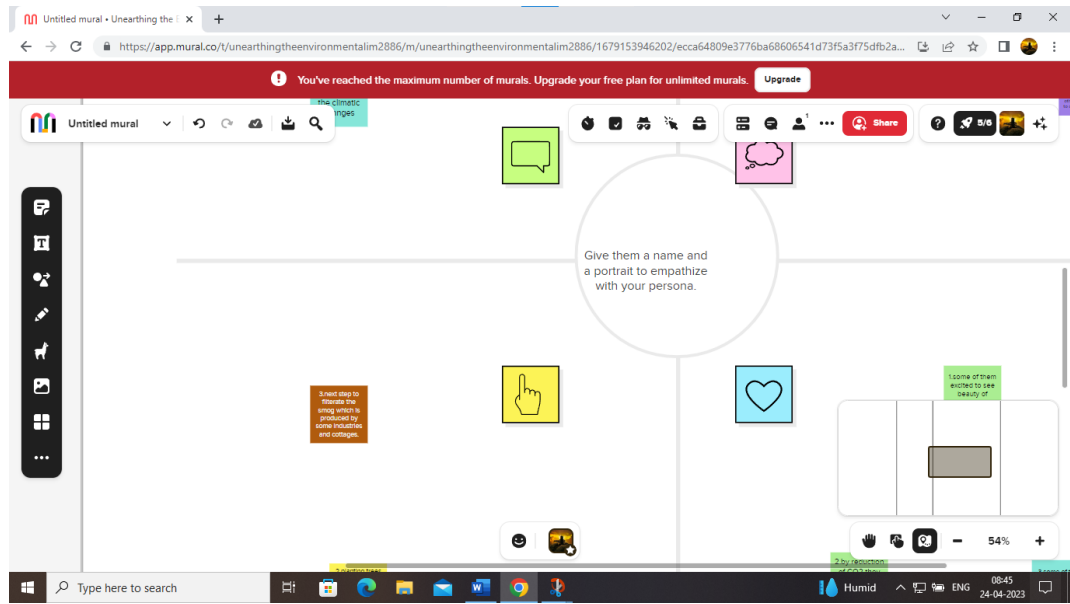
## 2 Problem Definition & Design Thinking

### 2.1 Empathy Map

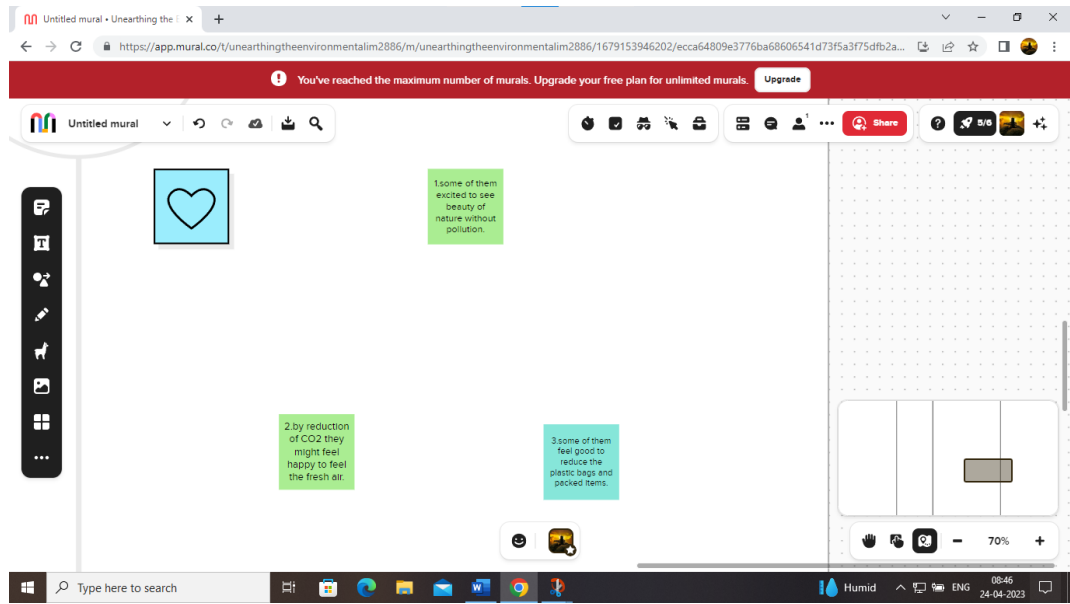








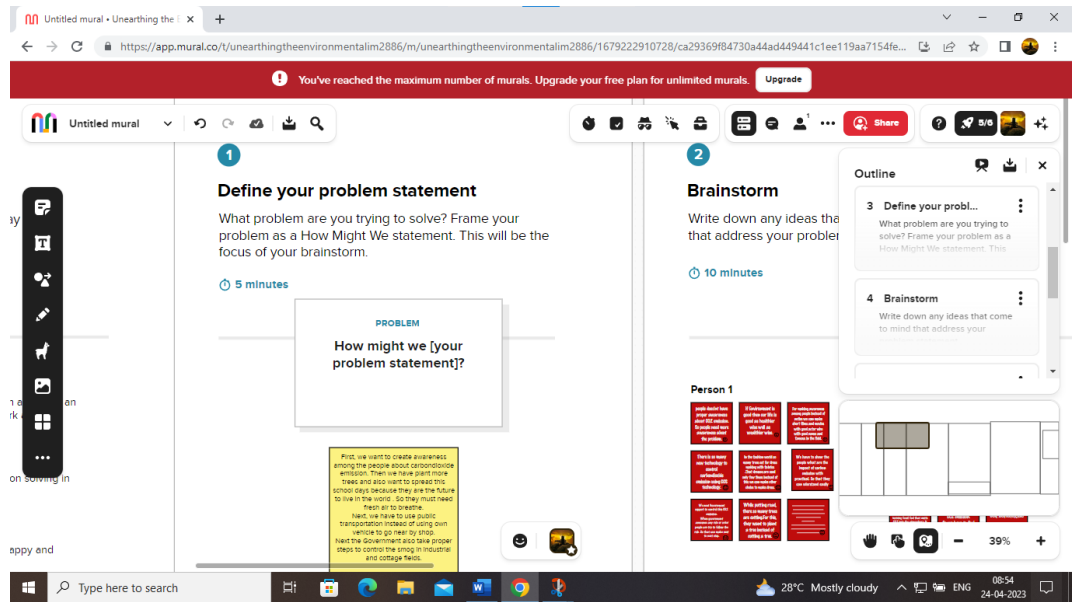
Edit with WPS Office

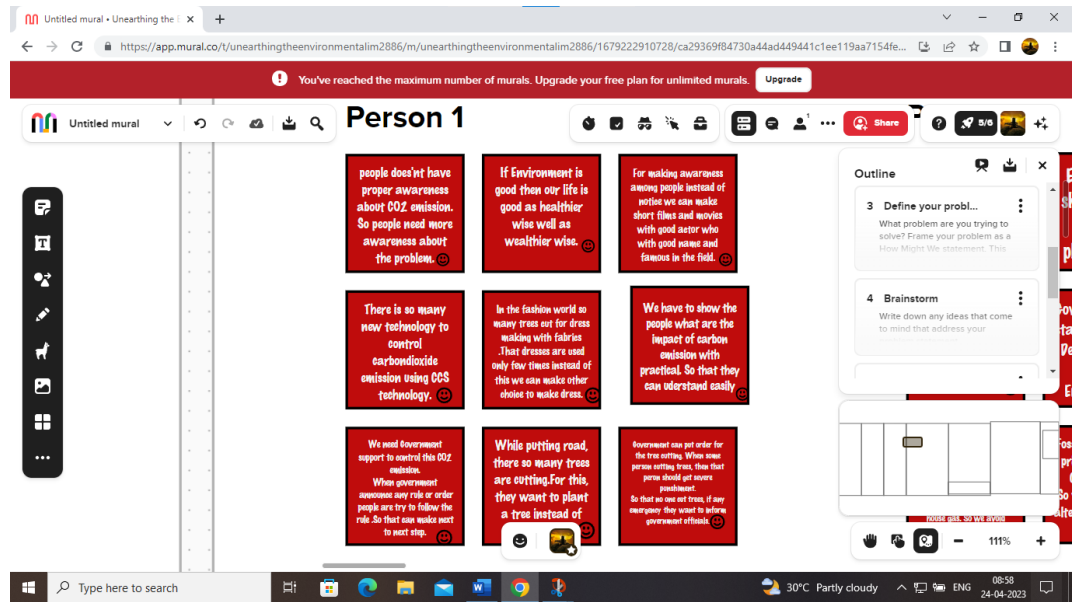


## 2.2 Ideation & Brainstorming Map

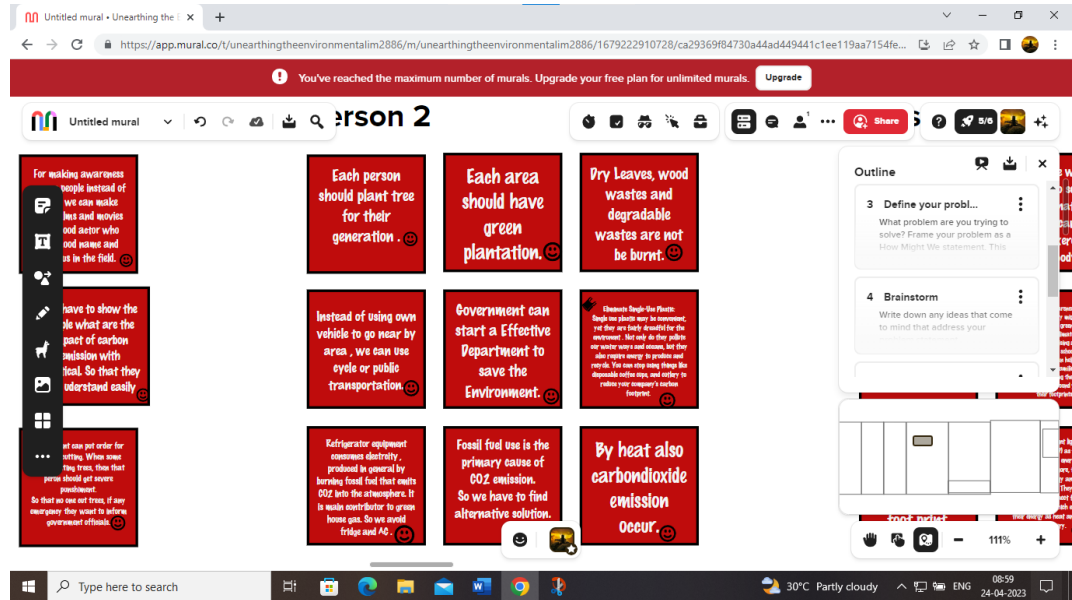


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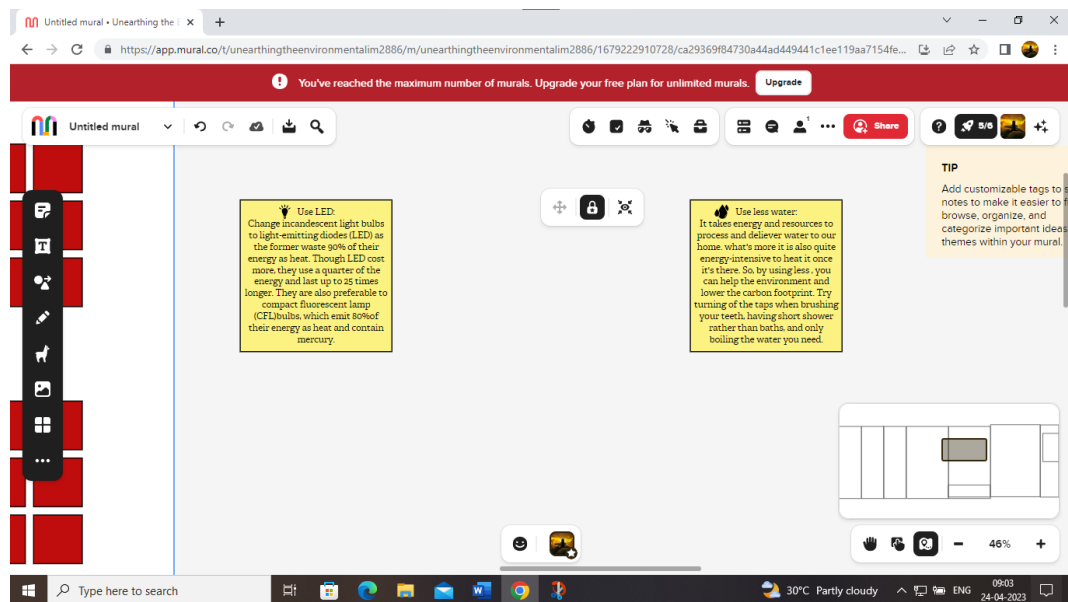
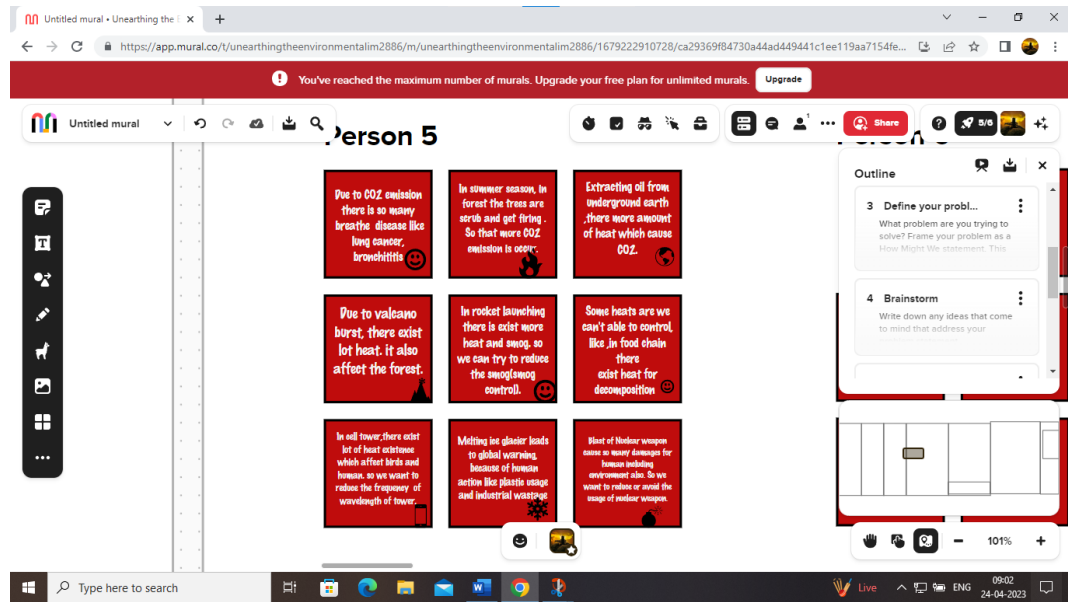
Edit with WPS Office

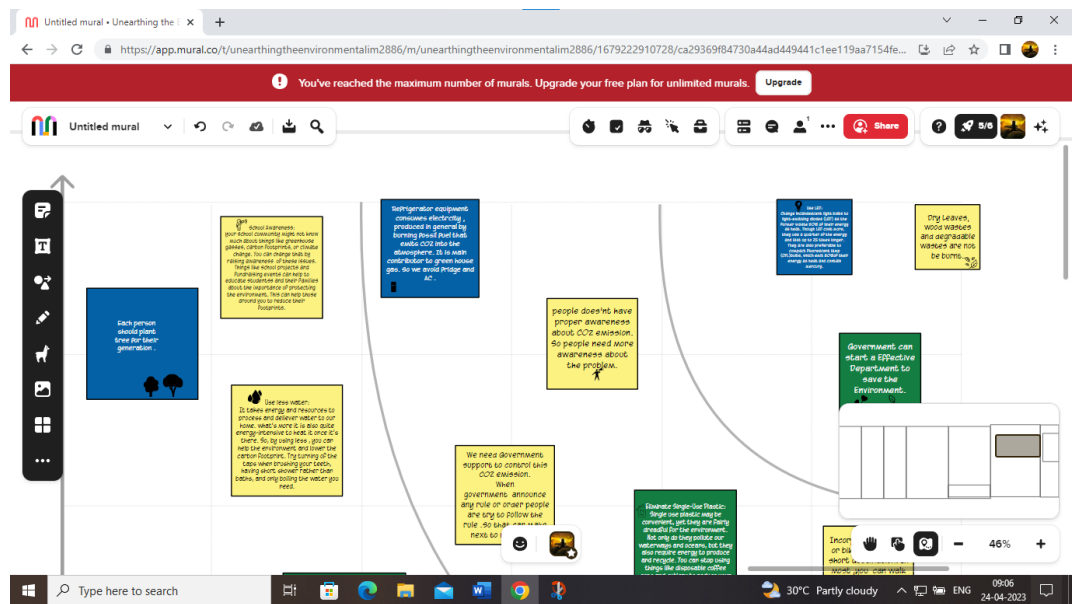
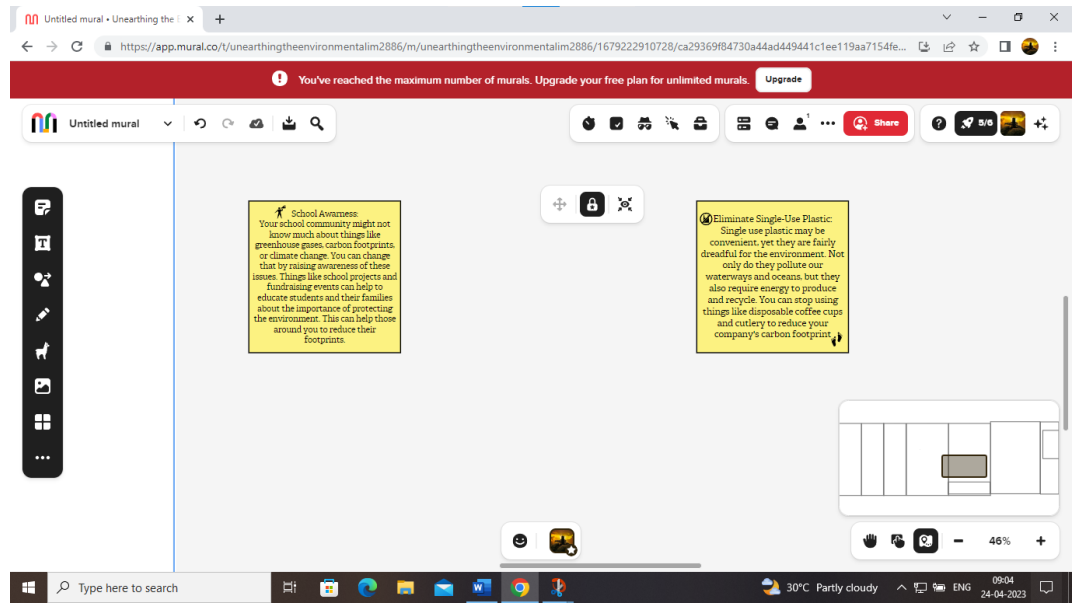


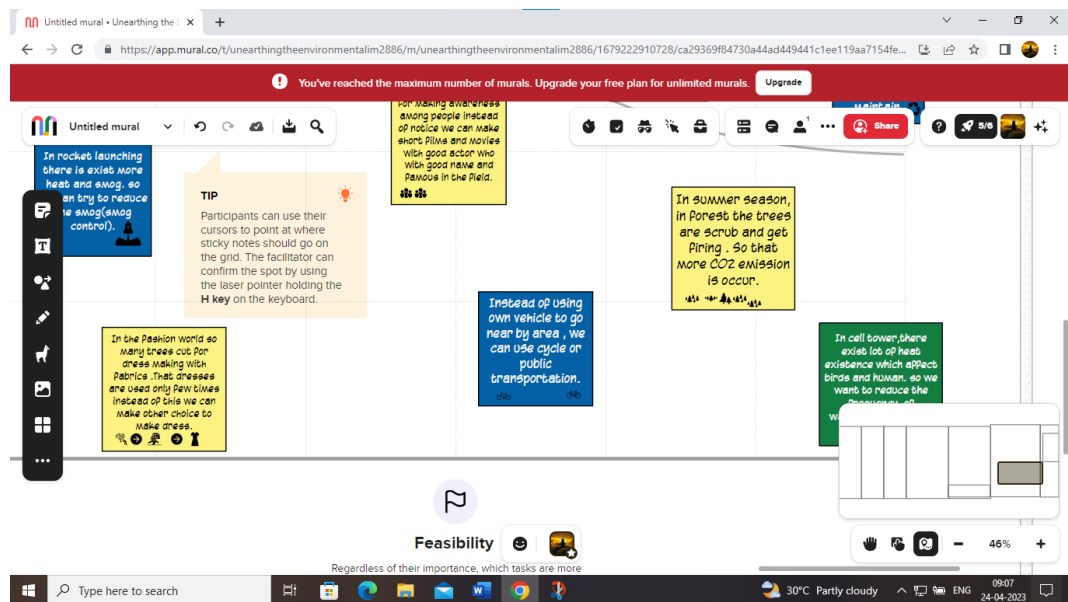


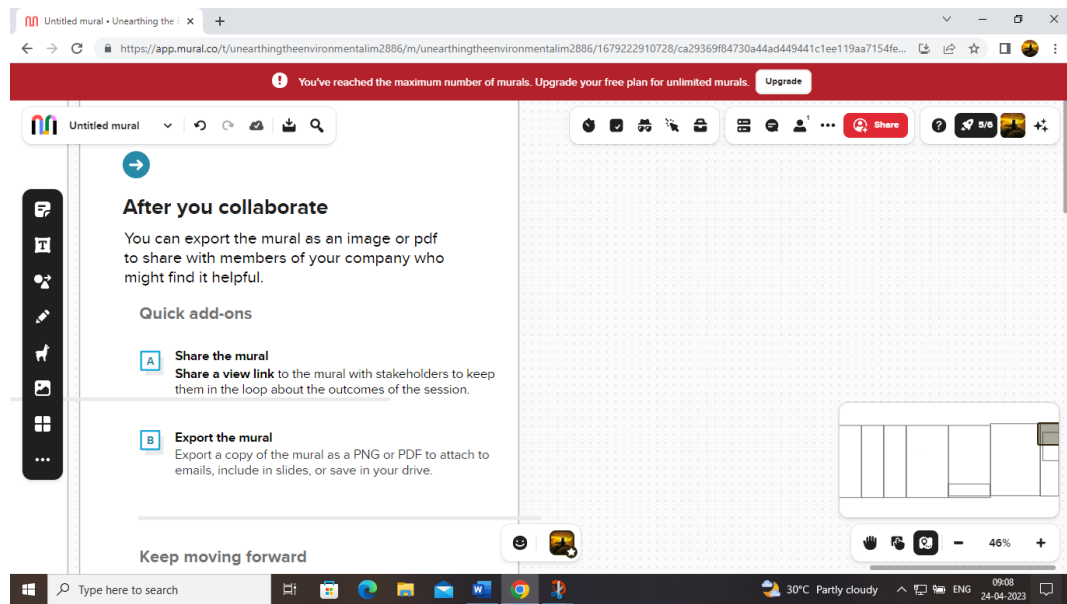


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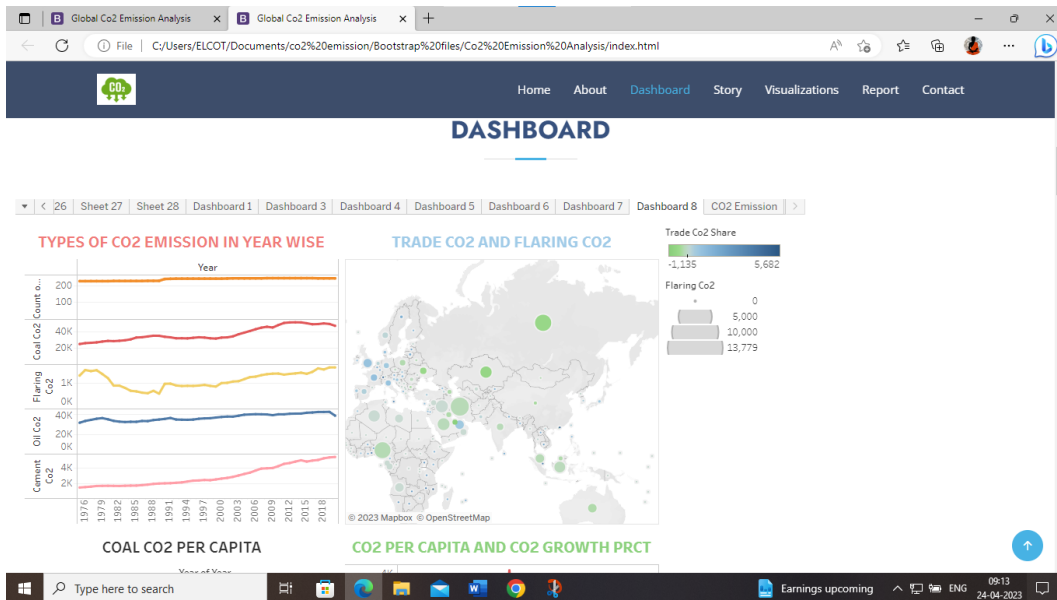




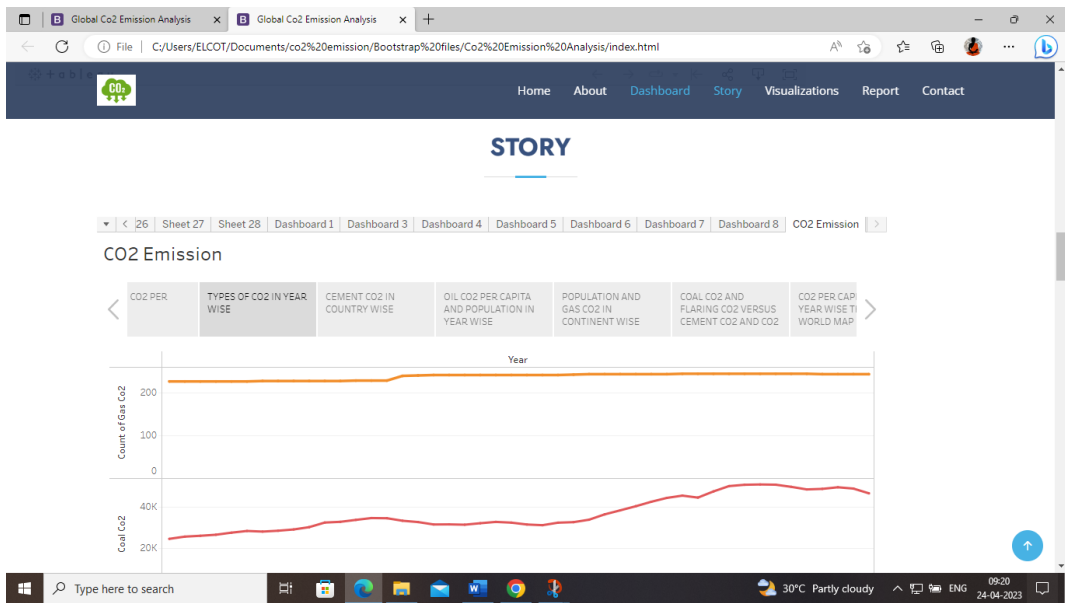




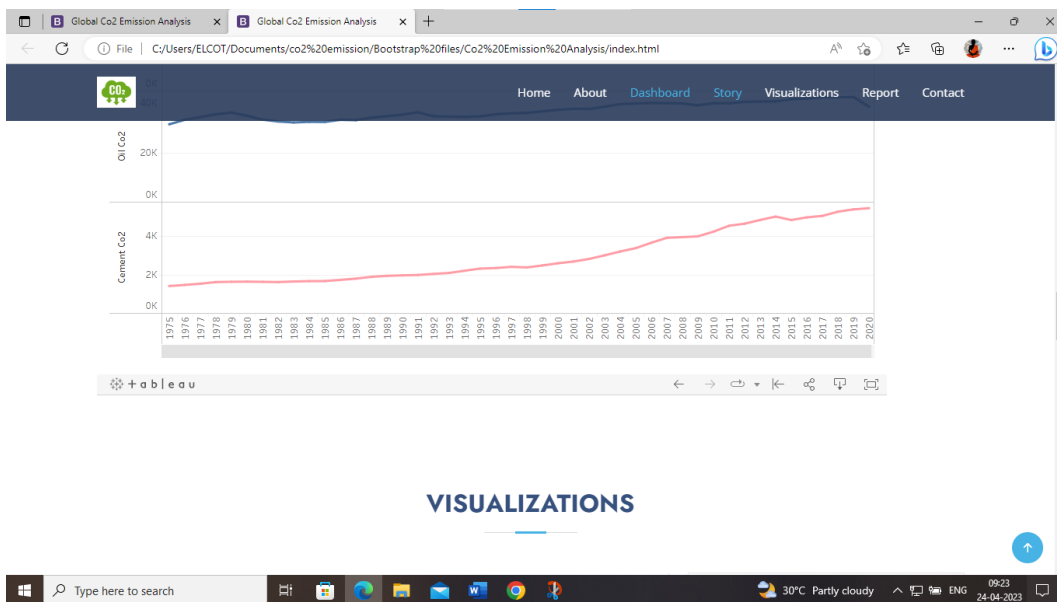
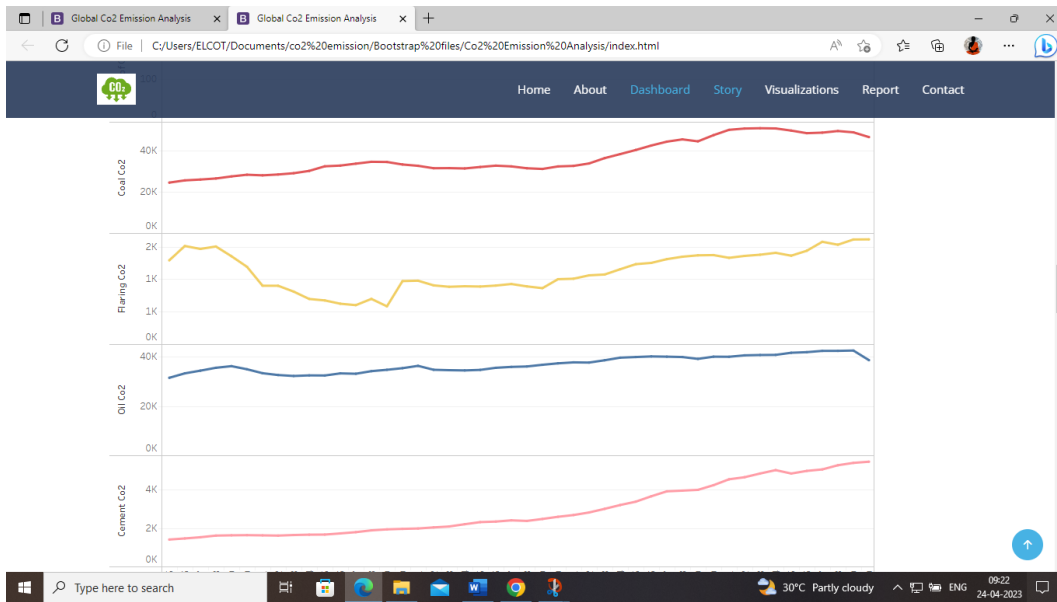
### 3 RESULT



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#### 4 ADVANTAGES & DISADVANTAGES

##### ADVANTAGE:

The main advantage in the project is team work.

##### DISADVANTAGE:



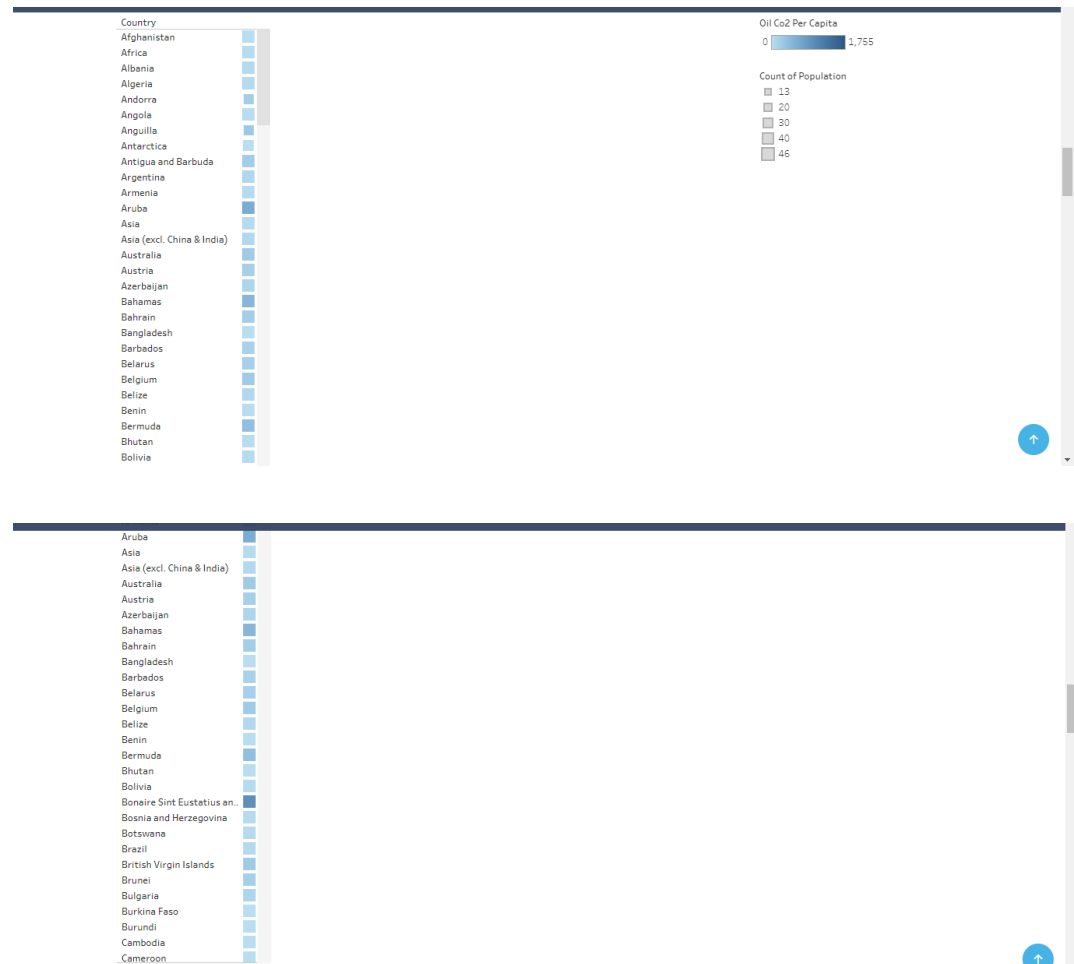
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The disadvantage of the project is lack of time given to project and there is more consumption of time.

## 5 APPLICATIONS

It is useful to regenerate the natural resources through fresh air and rivers.

## 6 CONCLUSION



The population is also one of the main reason of more CO2 emission. Each and every individual should be aware about





the CO2 emission, then only we can able to control this CO2 emission.

## 7 FUTURE SCOPE

In this project , when there is proper carbon footprint which is occur by each individual in the form of statistical data. It is very useful to predict the future cause.

## 8 APPENDIX

### A. Source Code

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

<head>
  <meta charset="utf-8">
  <meta content="width=device-width, initial-scale=1.0" name="viewport">

  <title>Global Co2 Emission Analysis</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,700,700i|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">

<!-- =====
* Template Name: Arsha - v4.10.0
* 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 justify-content-between">

    <h1 class="logo"> </h1>

    <!-- Uncomment below if you prefer to use an image logo -->
    <!-- <a href="index.html" class="logo me-auto"></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="#dash">Dashboard</a></li>
      <li><a class="nav-link scrollto" href="#services">Story</a></li>
      <li><a class="nav-link scrollto" href="#portfolio">Visualizations</a></li>
      <li><a class="nav-link scrollto" href="#report">Report</a></li>
      <li><a class="nav-link scrollto" href="#contact">Contact</a></li>
    </ul>
  </nav>
</div>
</header>

```



```

        </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>Welcome to Global Co2 Emission Analysis for Year 2020</h1>
                <h2>Carbon dioxide emissions are the primary driver of global climate
change. It's widely recognised that to avoid the worst impacts of climate change, the
world needs to urgently reduce emissions.</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/watch?v=jDDaplaOz7Q"
class="glightbox btn-watch-video"></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">
```

```
<!-- ===== Clients Section ===== -->
```

```
<!-- End Cliens Section -->
```

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

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

```
<div class="container">
```

```
<div class="section-title">
```

```
<h2>About Us</h2>
```

```
</div>
```

```
<div class="row content">
```

```
<div class="col-lg-12">
```

```
<p>
```

Carbon dioxide emissions are those stemming from the burning of fossil fuels and the manufacture of cement. They include carbon dioxide produced during consumption of solid, liquid, and gas fuels and gas flaring.

```
</p>
```

```
<p>
```

Global carbon dioxide (CO<sub>2</sub>) emissions from fossil fuels and industry have increased considerably since 2000, and in 2019 reached a record high of 36.7 billion metric tons of CO<sub>2</sub>. In 2020, the COVID-19 pandemic caused global CO<sub>2</sub> emissions to plummet five

percent to 34.81 billion metric tons.</p>

<p> Historically, major global events cause emission reductions. The 2009 global recession caused worldwide CO<sub>2</sub> emissions to fall by approximately 460 million metric tons. But this pales in comparison to the emission reductions in 2020. Countries around the world were put under strict lockdowns, meaning transportation and industrial activities were significantly reduced. CO<sub>2</sub> emission levels in India dropped for the first time in four decades in the year ending March 2020. Global CO<sub>2</sub> emissions per capita also experienced a substantial decline in 2020, falling to an average of 4.47 metric tons per person.</p>

```
</div>
```

```
</div>
```



```

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

<!-- ===== Why Us Section ===== -->
<section id="dash" class="">
    <div class="container-fluid" data-aos="fade-up">
        <div class="section-title">
            <h2>Dashboard</h2>
        </div>
        <div class="tableauPlaceholder" id="viz1682328179185" style="position:
relative"><noscript><a href="#"><img alt="
src='https://public.tableau.com/static/images/Da/Dash
board7_16820559825130/Dashboard8/1_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="Dashboard7_16820559825130/Dashboard8" /><param
name="tabs" value="yes" /><param name="toolbar" value="yes" /><param
name="static_image"
value="https://public.tableau.com/static/images/Da/Da
shboard7_16820559825130/Dashboard8/1.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" /><param name="filter" value="publish=yes"
/></object></div>
        <script type="text/javascript">
            var divElement =
document.getElementById('viz1682328179185');
            var vizElement =
divElement.getElementsByTagName('object')[0];
            if
( divElement.offsetWidth > 800 )
{ vizElement.style.minWidth='1016px';vizElement.style.maxWidth='100%';vizElement.s
tyle.minHeight='1014px';vizElement.style.maxHeight=(divElement.offsetWidth*0.75)+'
px';} else if ( divElement.offsetWidth > 500 )
{ vizElement.style.minWidth='1016px';vizElement.style.maxWidth='100%';vizElement.s
tyle.minHeight='1014px';vizElement.style.maxHeight=(divElement.offsetWidth*0.75)+'
px';} else
{ vizElement.style.minWidth='1016px';vizElement.style.maxWidth='100%';vizElement.s
tyle.minHeight='1550px';vizElement.style.maxHeight=(divElement.offsetWidth*1.77)+'
px';}
            var scriptElement = document.createElement('script');

```



```

scriptElement.src = 'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);    </script>
</div>

<!-- End Why Us Section -->
<section id="services" class="services">
  <div class="container" data-aos="fade-up">
    <div class="section-title">
      <h2>Story</h2>
    </div>

    <div class='tableauPlaceholder' id='viz1682327621924' style='position:
relative'><noscript><a href='#'><img alt='
src='https://public.tableau.com/static/images/St/Story
CO2Emission/CO2Emission/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='StoryCO2Emission/CO2Emission' /><param name='tabs'
value='yes' /><param name='toolbar' value='yes' /><param name='static_image'
value='https://public.tableau.com/static/images/St/StoryCO2Emission/CO2Emission/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'
/><param name='filter' value='publish=yes' /></object></div>    <script
type='text/javascript'>      var divElement =
document.getElementById('viz1682327621924');      var vizElement =
divElement.getElementsByTagName('object')[0];
vizElement.style.width='1016px';vizElement.style.height='1014px';      var
scriptElement = document.createElement('script');      scriptElement.src =
'https://public.tableau.com/javascripts/api/viz_v1.js';
vizElement.parentNode.insertBefore(scriptElement, vizElement);    </script>

    </div>
  </section>

```



```

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

<!-- End Skills Section -->

<!-- End Services Section -->

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

<!-- End Cta Section -->

<!-- ===== Portfolio Section ===== -->
<section id="portfolio" class="portfolio">
  <div class="container" data-aos="fade-up">

    <div class="section-title">
      <h2>Visualizations</h2>

    </div>

    <div class="row portfolio-container">

      <div class="col-lg-4 col-md-6 portfolio-item filter-web">
        <div class="portfolio-wrap">
          
          <div class="portfolio-info">
            <h4>Image 1 </h4>

            <div class="portfolio-links">
              <a href="assets/img/portfolio/p1.jpg" data-
gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-
plus"></i></a>

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

      <div class="col-lg-4 col-md-6 portfolio-item filter-web">
        <div class="portfolio-wrap">

```



```

        
        <div class="portfolio-info">
            <h4>Image 2 </h4>

            <div class="portfolio-links">
                <a href="assets/img/portfolio/p1.jpg" data-
gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-
plus"></i></a>

            </div>
        </div>
    </div>
    <div class="col-lg-4 col-md-6 portfolio-item filter-web">
        <div class="portfolio-wrap">
            
            <div class="portfolio-info">
                <h4>Image 3 </h4>

                <div class="portfolio-links">
                    <a href="assets/img/portfolio/p1.jpg" data-
gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-
plus"></i></a>

                </div>
            </div>
        </div>
    </div>
    <div class="col-lg-4 col-md-6 portfolio-item filter-web">
        <div class="portfolio-wrap">
            
            <div class="portfolio-info">
                <h4>Image 5</h4>
                <div class="portfolio-links">
                    <a href="assets/img/portfolio/p5.jpg" data-
gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-
plus"></i></a>

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

```





```

    </div>
  </div>
  <div class="col-lg-4 col-md-6 portfolio-item filter-web">
    <div class="portfolio-wrap">
      
      <div class="portfolio-info">
        <h4>Image 6</h4>
        <div class="portfolio-links">
          <a href="assets/img/portfolio/p5.jpg" data-
gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-
plus"></i></a>
        </div>
      </div>
    </div>
  </div>
  <div class="col-lg-4 col-md-6 portfolio-item filter-web">
    <div class="portfolio-wrap">
      
      <div class="portfolio-info">
        <h4>Image 4</h4>
        <div class="portfolio-links">
          <a href="assets/img/portfolio/p5.jpg" data-
gallery="portfolioGallery" class="portfolio-lightbox" title="Web 3"><i class="bx bx-
plus"></i></a>
        </div>
      </div>
    </div>
  </div>
</div>

</div>
</section>
<section id="report" class="skills">
  <div class="container" data-aos="fade-up">
    <div class="section-title">
      <h2>Report</h2>
    </div>
  </div>

```



```

<div class="row content">
  <div class="col-md-5 order-1 order-md-2" 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>Top Co2 Emitting countries for Past 10 Years</h3>
    <br>
    <p class="fst-italic">
      China is the highest Co2 Emitting country among the other
countries.
    </p>
    <p class="fst-italic">
      United States is the second highest Co2 Emitting country.
    </p>
    <p class="fst-italic">
      India is the Third highest Co2 Emitting country.
    </p>
  </div>
</div>
<br>
<br>

<div class="row content">
  <div class="col-md-5" data-aos="fade-right">
    
  </div>
  <div class="col-md-7 pt-5" data-aos="fade-left">
    <h3>Continents Contribution towards Co2 Emission</h3>
    <br>
    <p class="fst-italic">
      Asian is the highest Co2 Emitting country among the other
continents.
    </p>
    <p class="fst-italic">
      Europe is the second highest Co2 Emitting continent.
    </p>
    <p class="fst-italic">
      Antartica is the lowest Co2 Emitting countries because of low

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human activity/existence in the continent.

</p>

</div>

<br>

<br>

<div class="row content">

<div class="col-md-5" data-aos="fade-right">



</div>

<div class="col-md-7 pt-5" data-aos="fade-left">

<h3>Overall India Contribution towards Co2 Emission</h3>

<br>

<p class="fst-italic">

Coal is the highest factor of Co2 Emission.

</p>

<p class="fst-italic">

Oil is the second highest Co2 Emitting factor.

</p>

</div>

</div>

<div class="row content">

<div class="col-md-5 order-1 order-md-2" data-aos="fade-left">



</div>

<div class="col-md-7 pt-5 order-2 order-md-1" data-aos="fade-right">

<h3>Overall Co2 Emission over time </h3>

<br>

<p class="fst-italic">

Co2 Emission in 1975 was 67324 (in metric tons).

</p>

<p class="fst-italic">

Co2 Emission in 2019 was 128423 (in metric tons) which was highest in the past years.

</p>

<p class="fst-italic">

Co2 Emission in 2020 was found to be 121593 (in metric tons).

</p>

</div>

</div>



```

        </div>
    </div>

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

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

<!-- End Team Section -->

<!-- ===== Pricing 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>SmartBridge, Hyderabad,AndhraPradesh, India</p>
                    </div>

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

```



```

        </div>

        <div class="phone">
            <i class="bi bi-phone"></i>
            <h4>Call:</h4>
            <p>+11 1234 1234<br>+11 4321 4321</p>
        </div>

    </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 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>  
</section>  
<!-- End Contact Section -->  
  
</main>  
<!-- End #main -->  
  
<!-- ===== Footer ===== -->  
<footer id="footer">  
  
<div class="footer-top">  
  <div class="container">  
  
  
  
  
  
  
  
  
  
</div>  
</div>  
  
<div class="container footer-bottom clearfix">  
  <div class="copyright">  
    &copy; Copyright <strong><span>Arsha</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/">Indra Prakash</a>
  <div class="social-links mt-3">
    <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>
    <a href="#" class="linkedin"><i class="bx bxl-linkedin"></i></a>
  </div>
</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>

```

# Project Report Template

