A Global CO2 Emission Analysis

Thiruvalluvar College
Papanasam

Team ID : NM2023TMID31245
Team Size : 4
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Team member
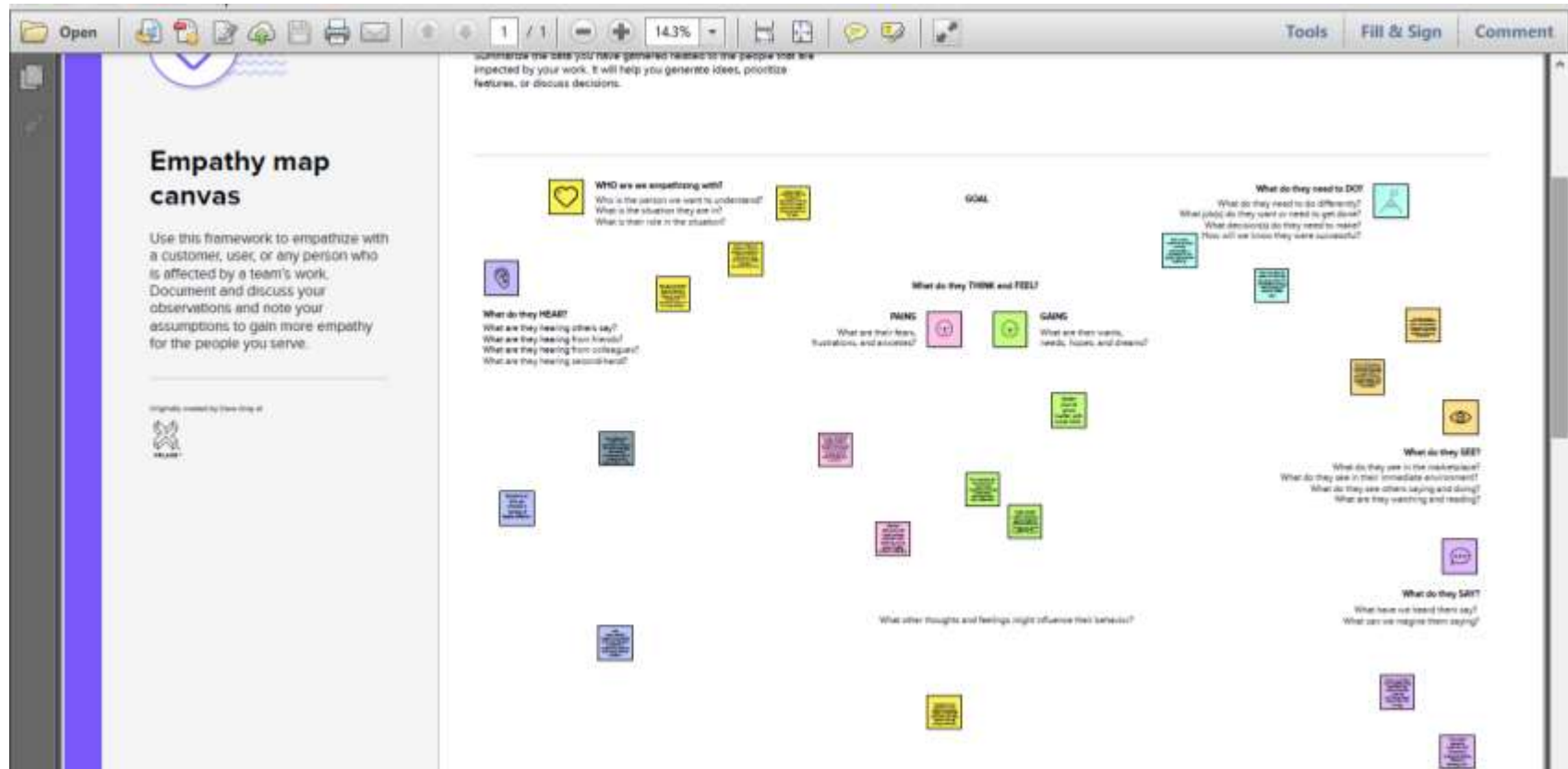**:** M.SETHURAMALAKSHMI

A Global CO2 Emission Analysis

1.Introduction

Carbon dioxide is a naturally occurring colourless and odourless gas. Co2 enters the atmosphere through burning fossil fuels, solid waste, trees and other biological materials, and also as a result of certain chemical reactions.
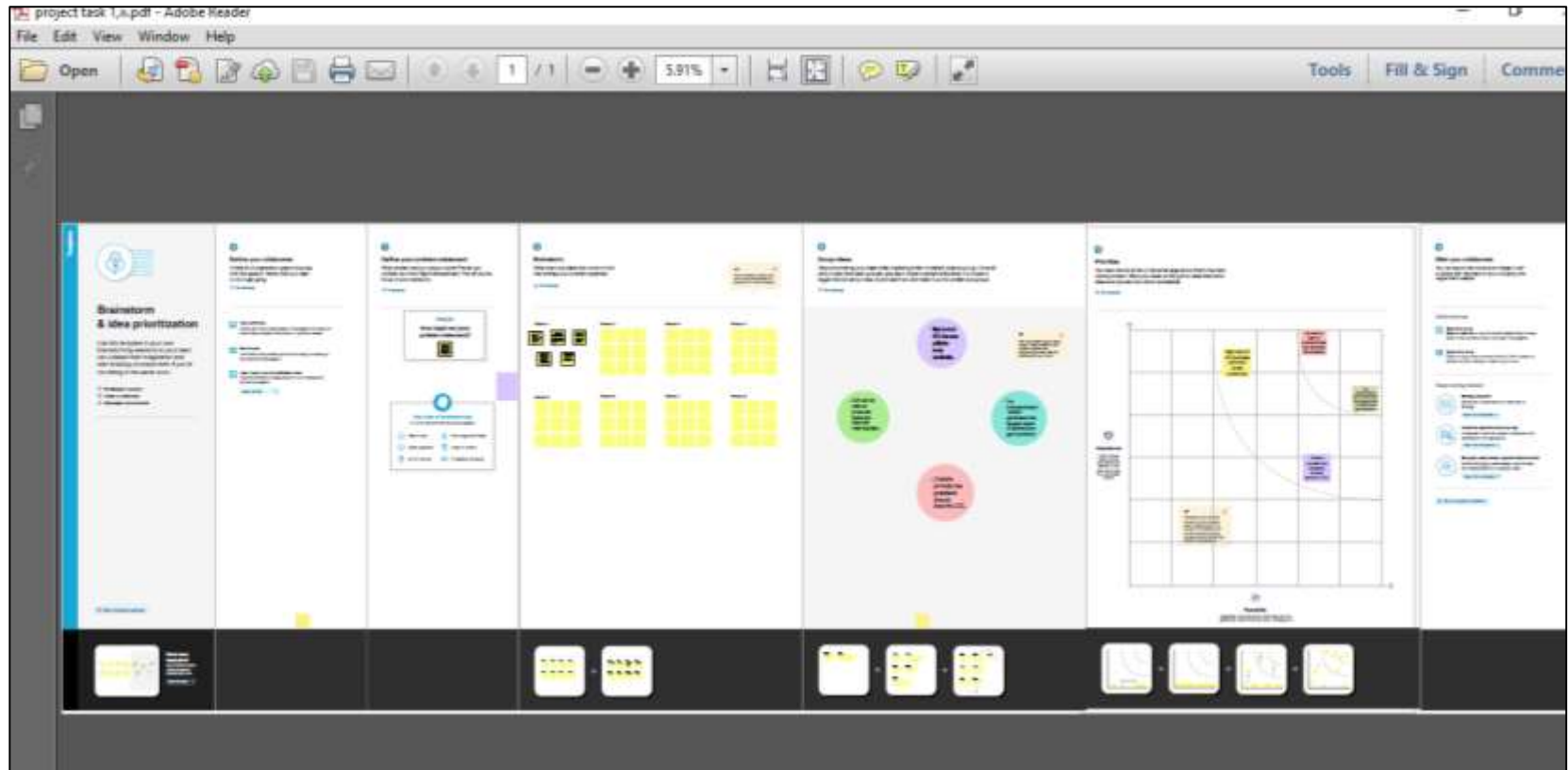
Greenhouse Gas emissions and hazardous air pollutants are toxic air pollutants that are known to pose for serious health threats.
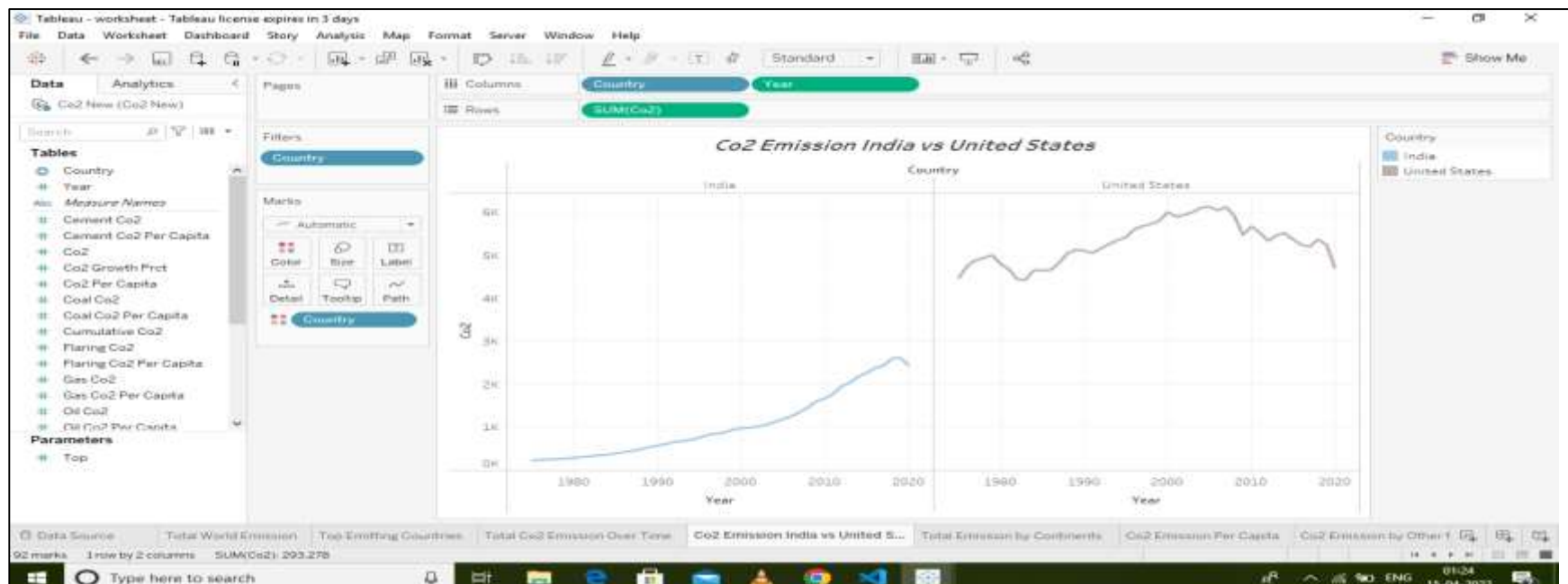
2. Problem Definitions and Design thinking

Empathy map

Ideation and brainstorming Map

3.Result
Tableau output

Total Co2 Emission Over Time

Co2 Emission India vs United States

Total Emission by Continents

South America 35,980
Antarctica 0
North America 290,316
Asia 481,573
Europe 306,165
Australia 14,729

Country
- Africa
- Antarctica
- Asia
- Australia
- Europe
- North America
- South America

SUM(Co2)

Co2 Emission Per Capita

Country

2,197
1,761
1,554
1,099
1,094
1,060
998
994
937

Top 10

Country
- Bahrain
- Bonaire Sint Eustati...
- Brunei
- Curacao
- Kuwait
- Luxembourg
- Qatar
- Sint Maarten (Dutch...
- Trinidad and Tobago

Qatar, Curacao, Sint Maarten (Dutch part), Luxembourg, Bahrain, Kuwait, Bonaire Sint Eustatius en..., Trinidad and Tobago, Brunei

Donut Chart for Flaring Co2

Donut Chart for Gas Co2

Donut Chart for Oil Co2

Co2 Emission Over Past 10 Years

Overall Contribution by India in Co2 emission

Continent Wise Contribution by Internal Factors

Co2 Emission from 1990 to 2020 based on Internal Factors

Cummulative Co2 and Co2 per Capita over Years

4. <u>Disadvantages</u>

* Carbon dioxide gas can be toxic and very harmful to humans, It increases the temperature of the Earth's atmosphere, It cause the global warming effect that has bad effects on the earth.

* Increasing the percentage of carbon dioxide gas in the air causes suffocation of living organisms as well as global warming that threatens the existence of life on this planet, a high concentration of carbon dioxide gas causes narcosis.

* The Toxic chemicals are the substances that can be poisonous or cause the health effects, They don't break down easily in the environment they can build up the tissues of small organisms, they can move up through the food chain

6.Conclusion

After during the project, we have realised the Challenges faced with the CO2 Emission.

Hence we should try to reduce the Emission of CO2.

6.1 Dashboard:
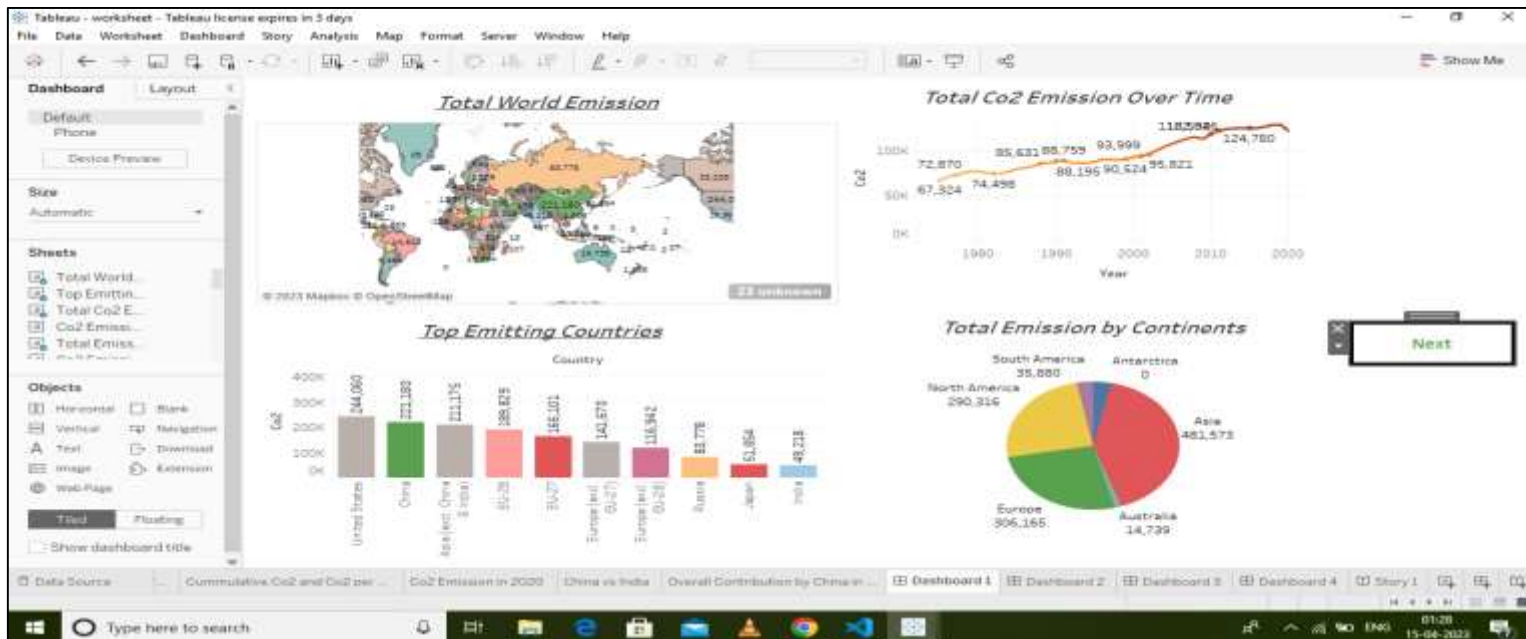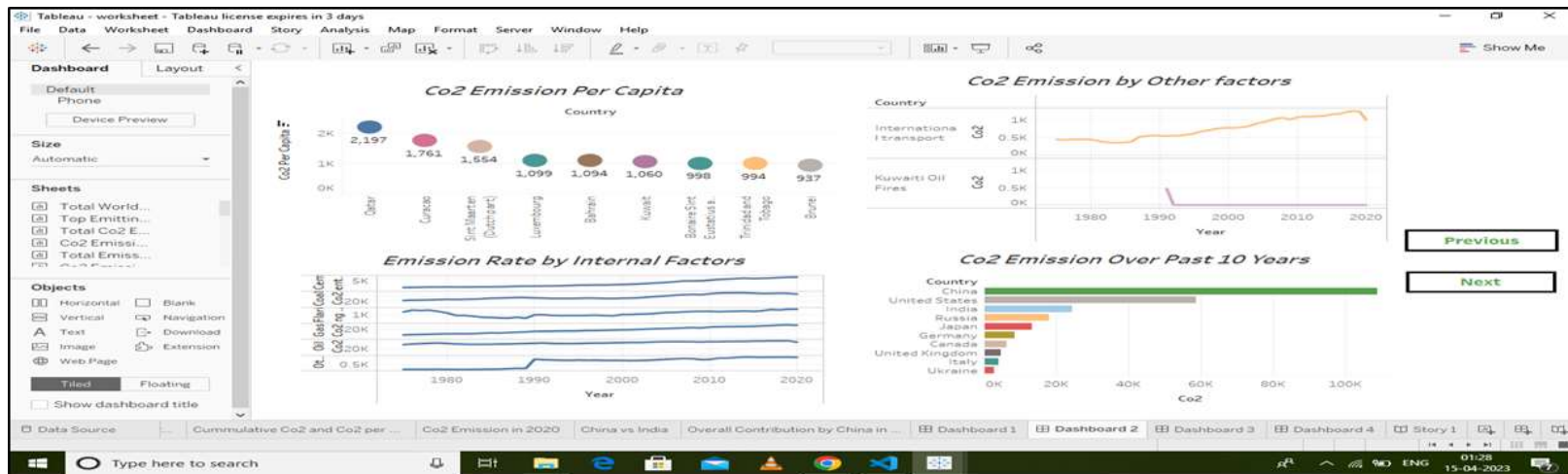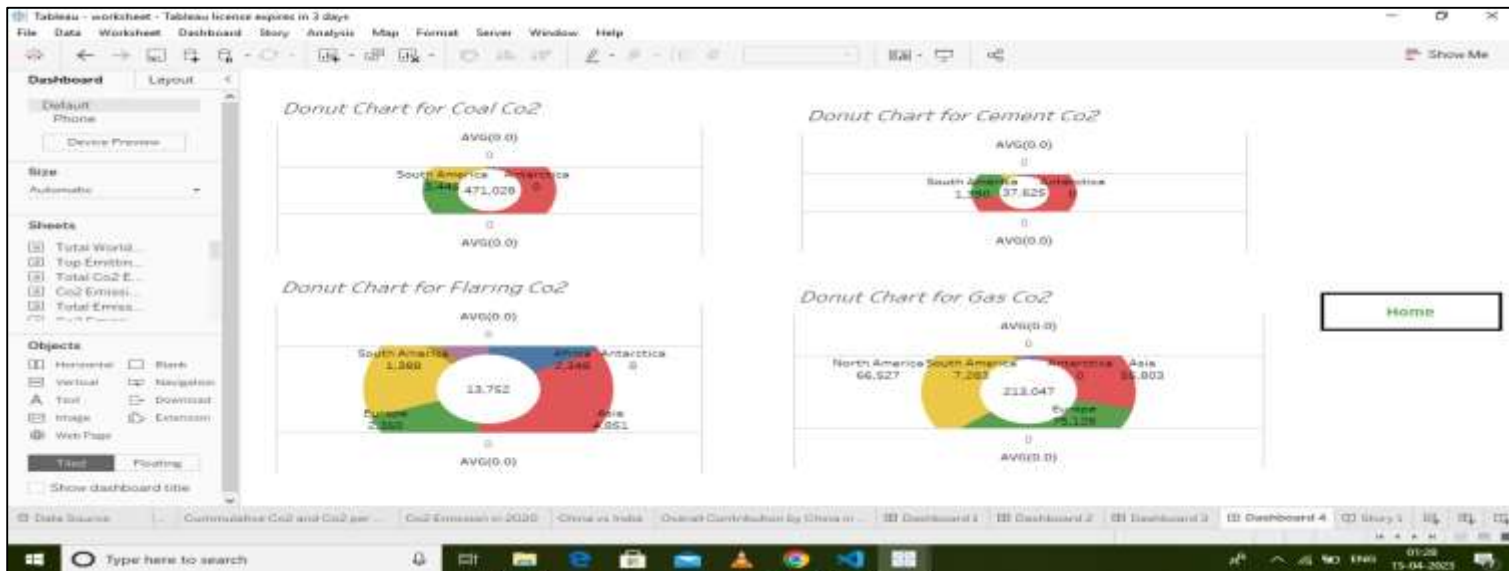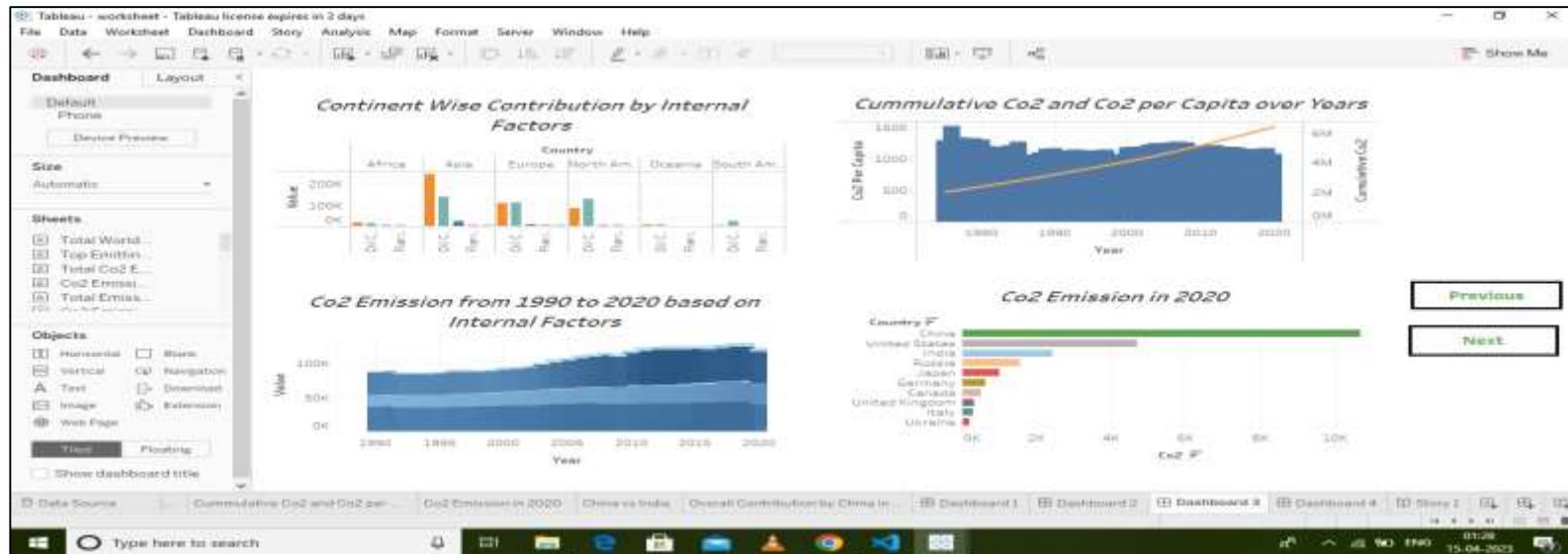
6.2 Story
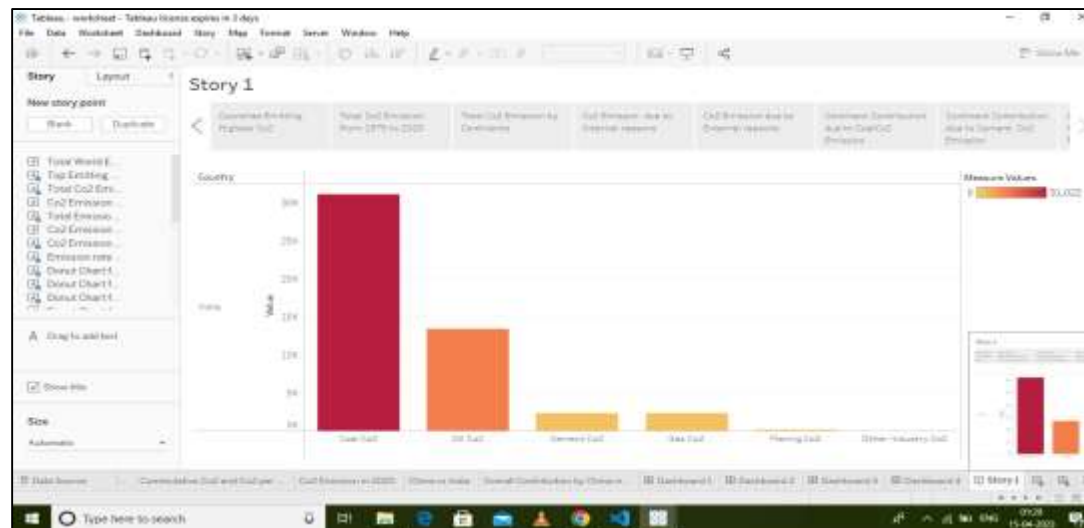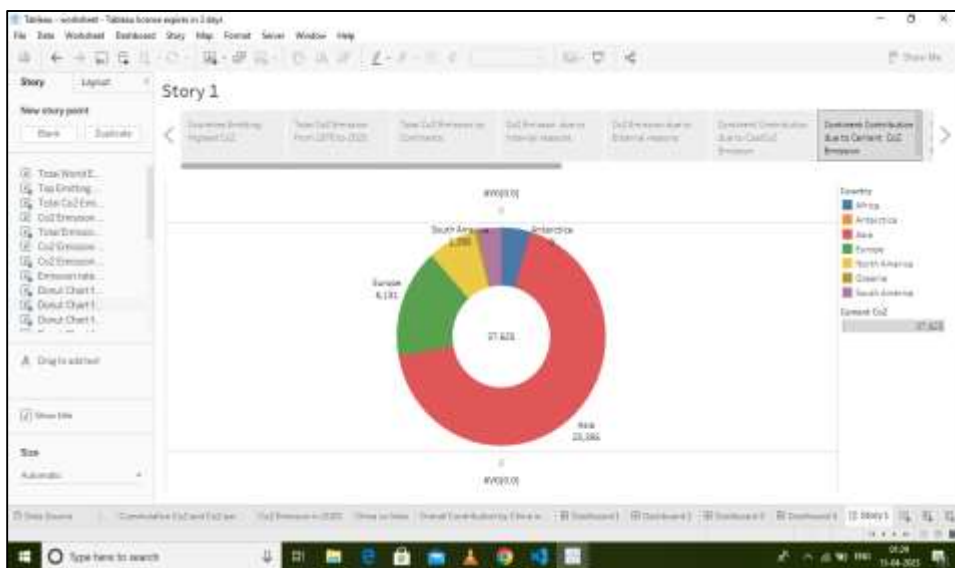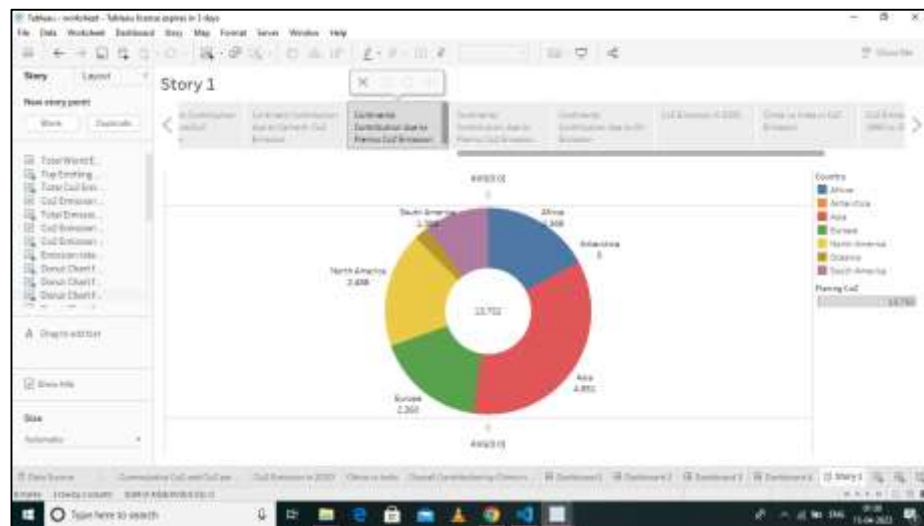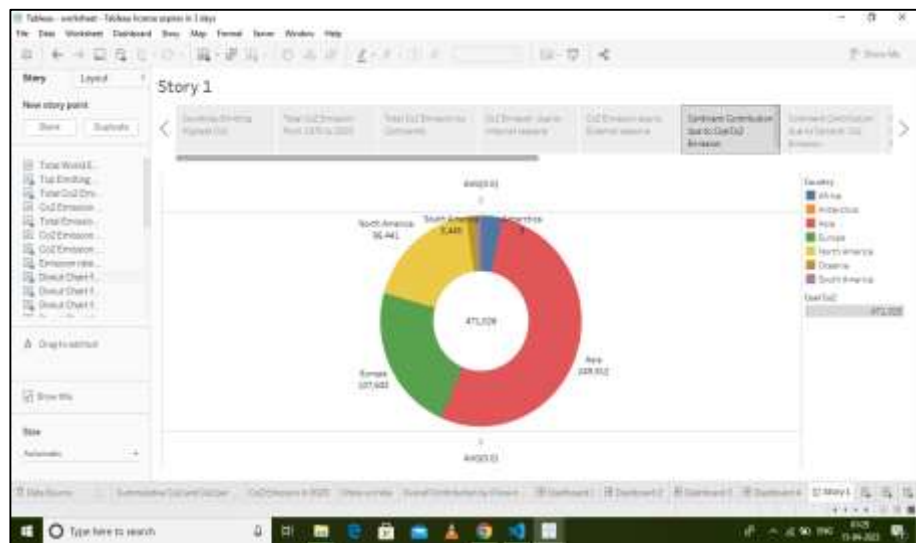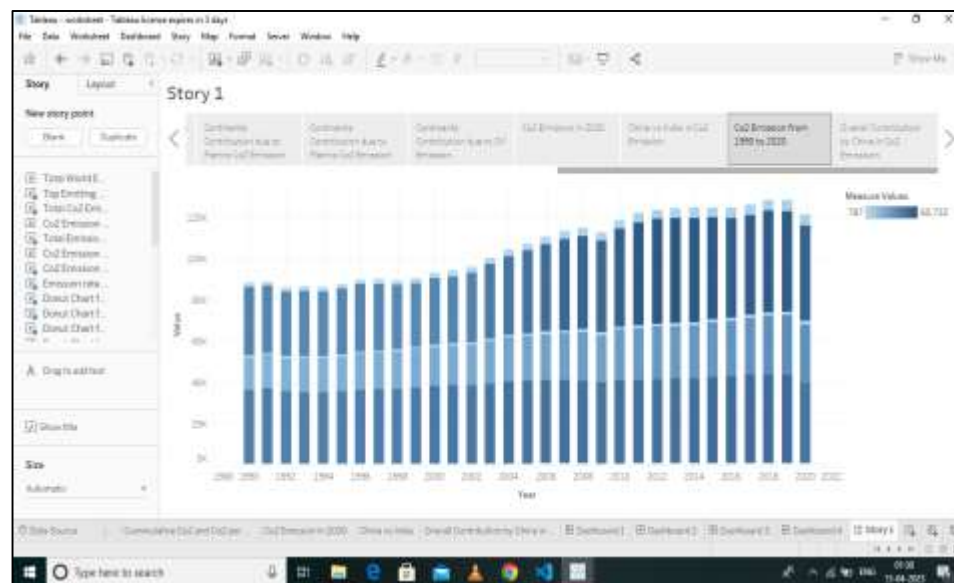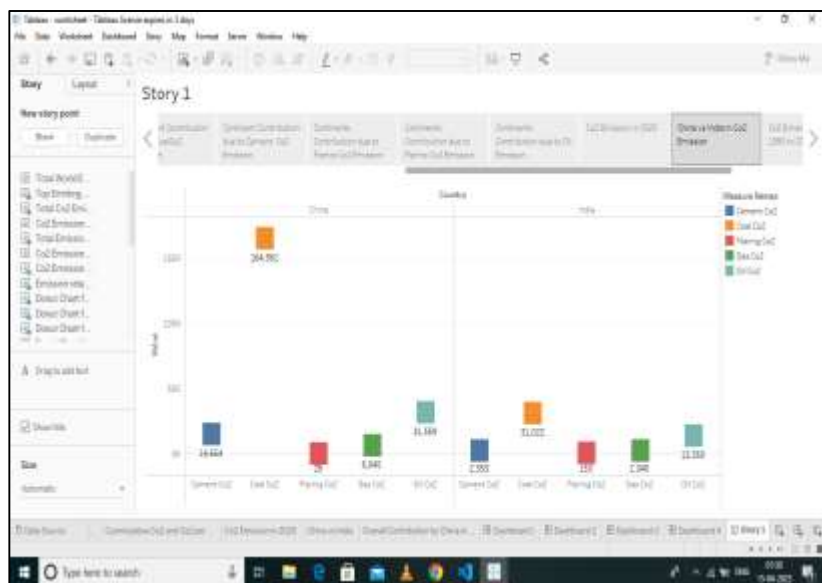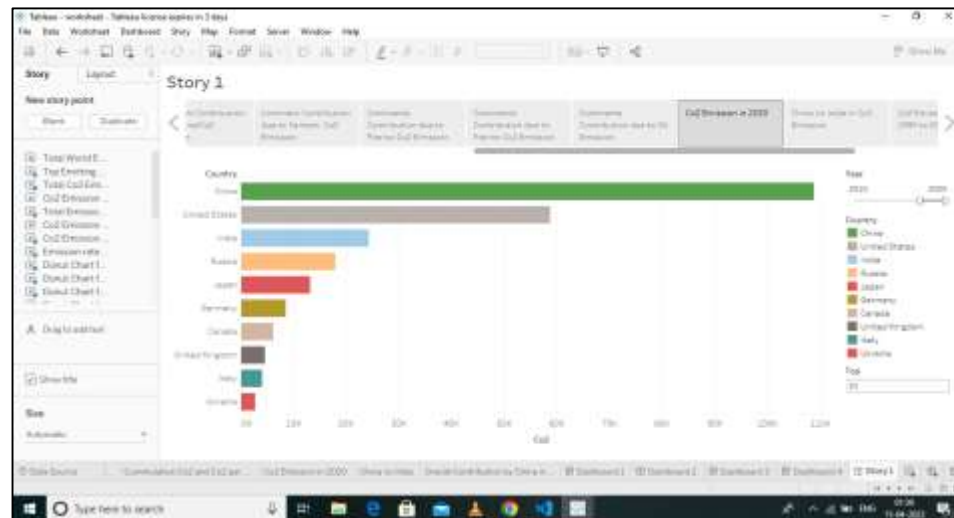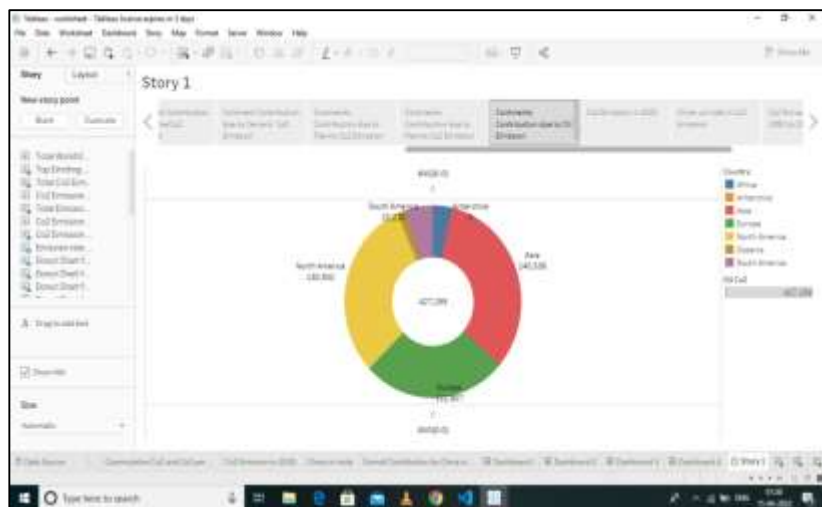
Appendix

Source Code

```html
<!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:300,30
0i,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 ======= -->
```
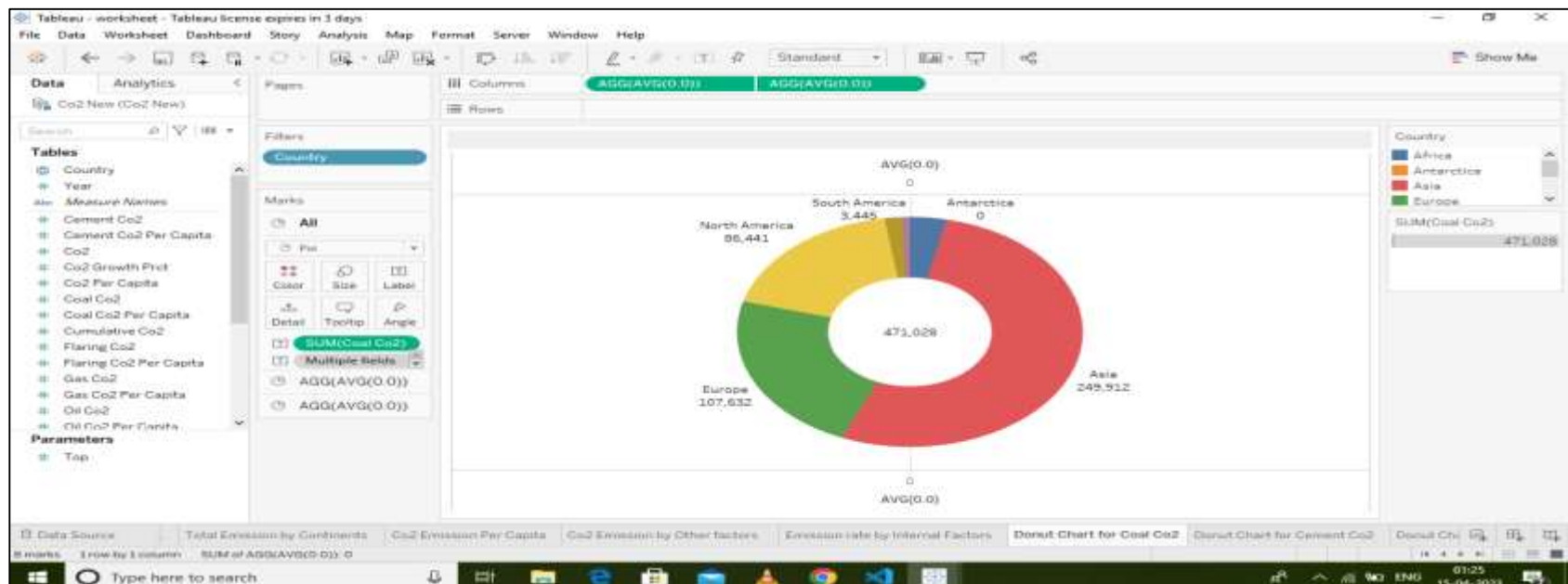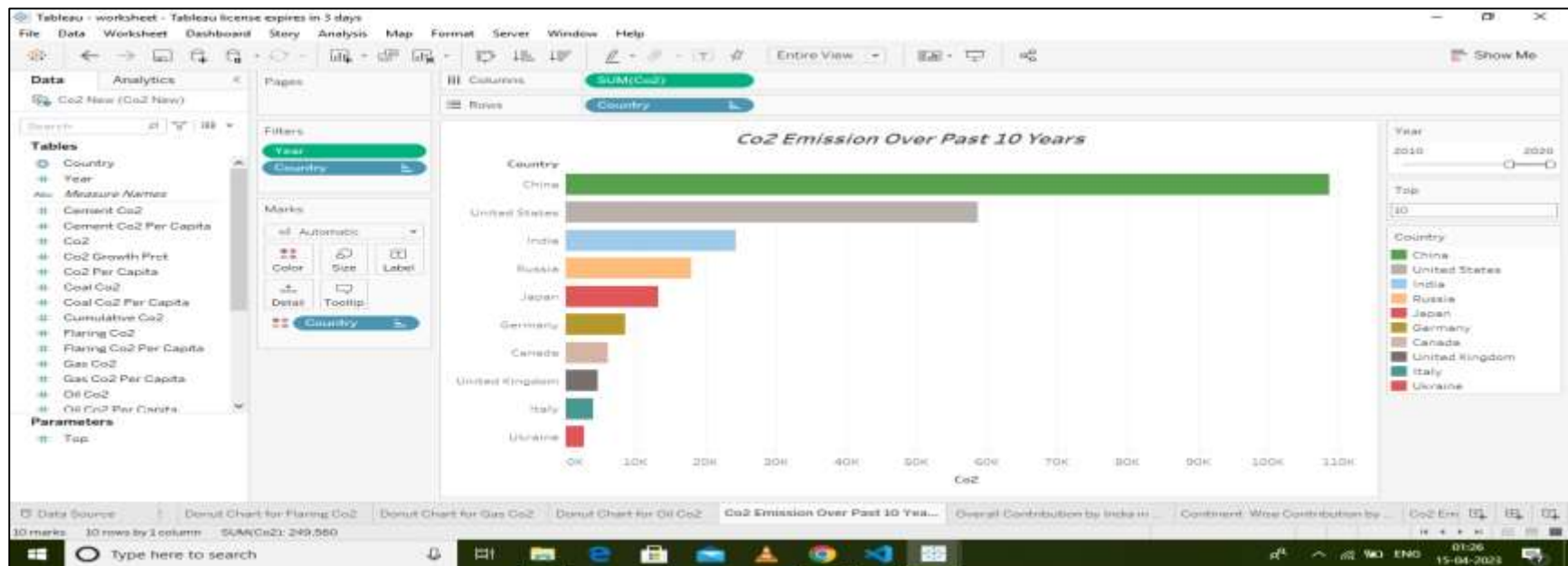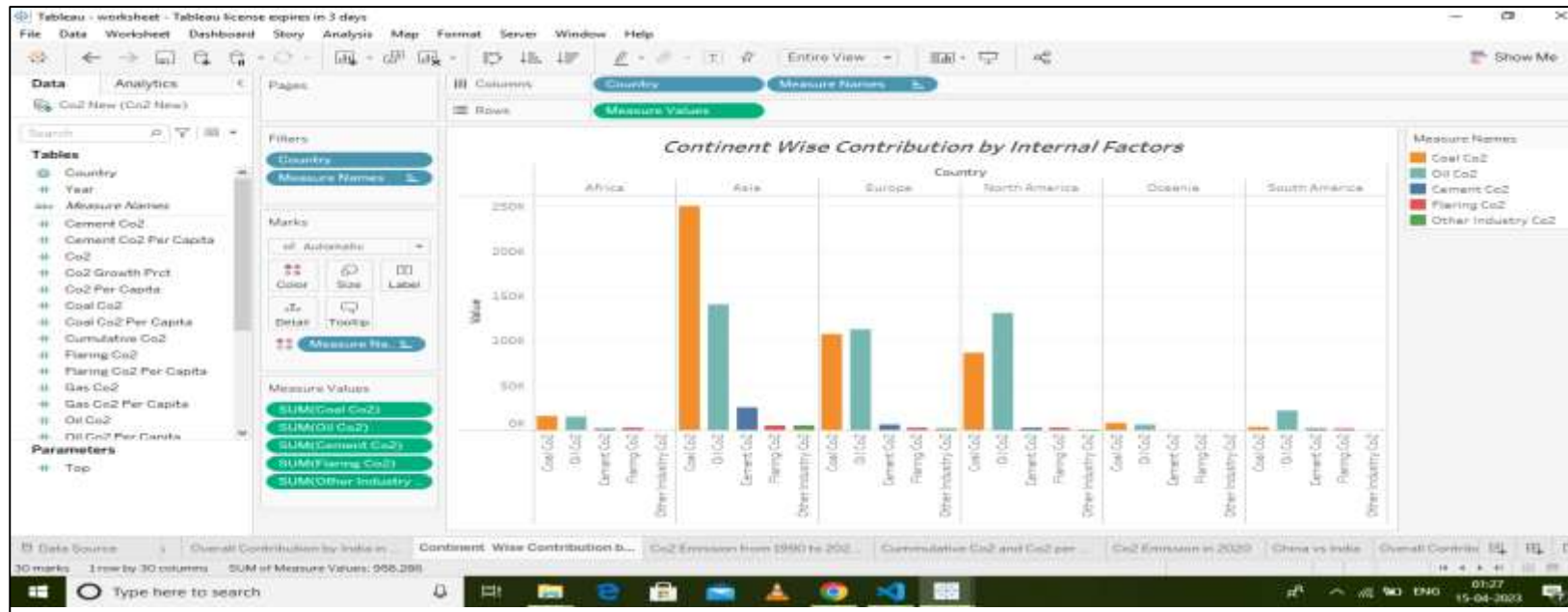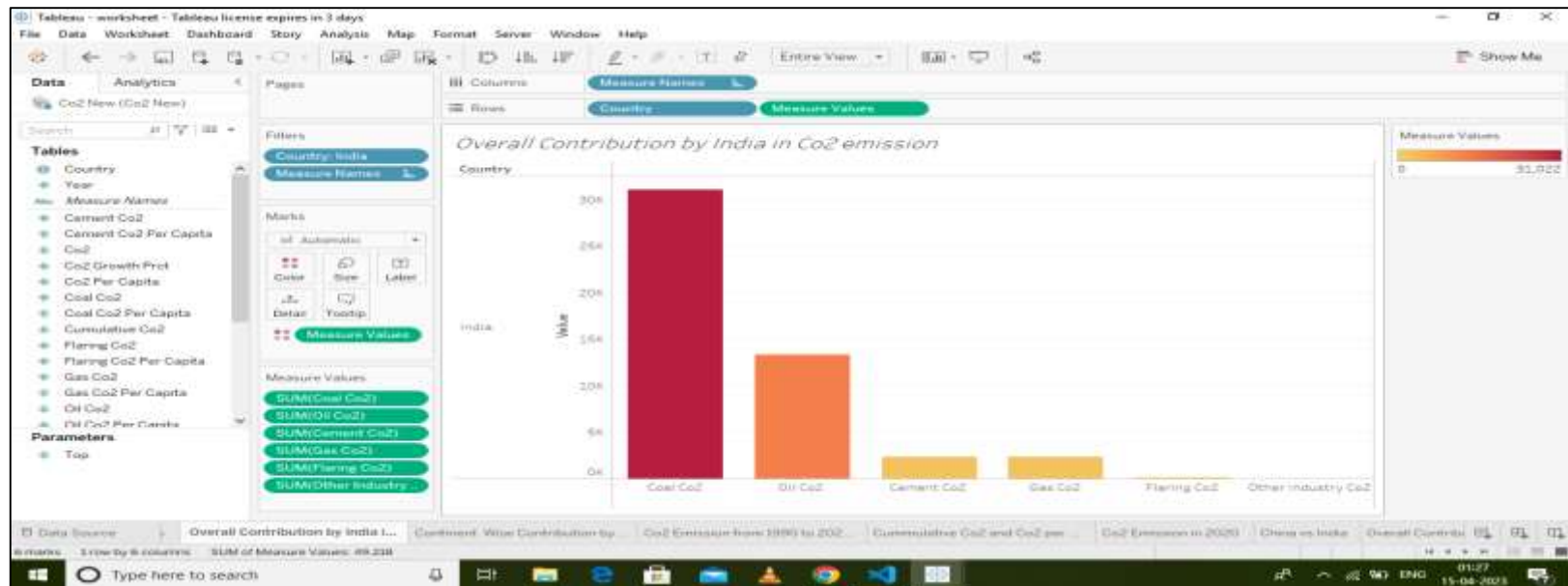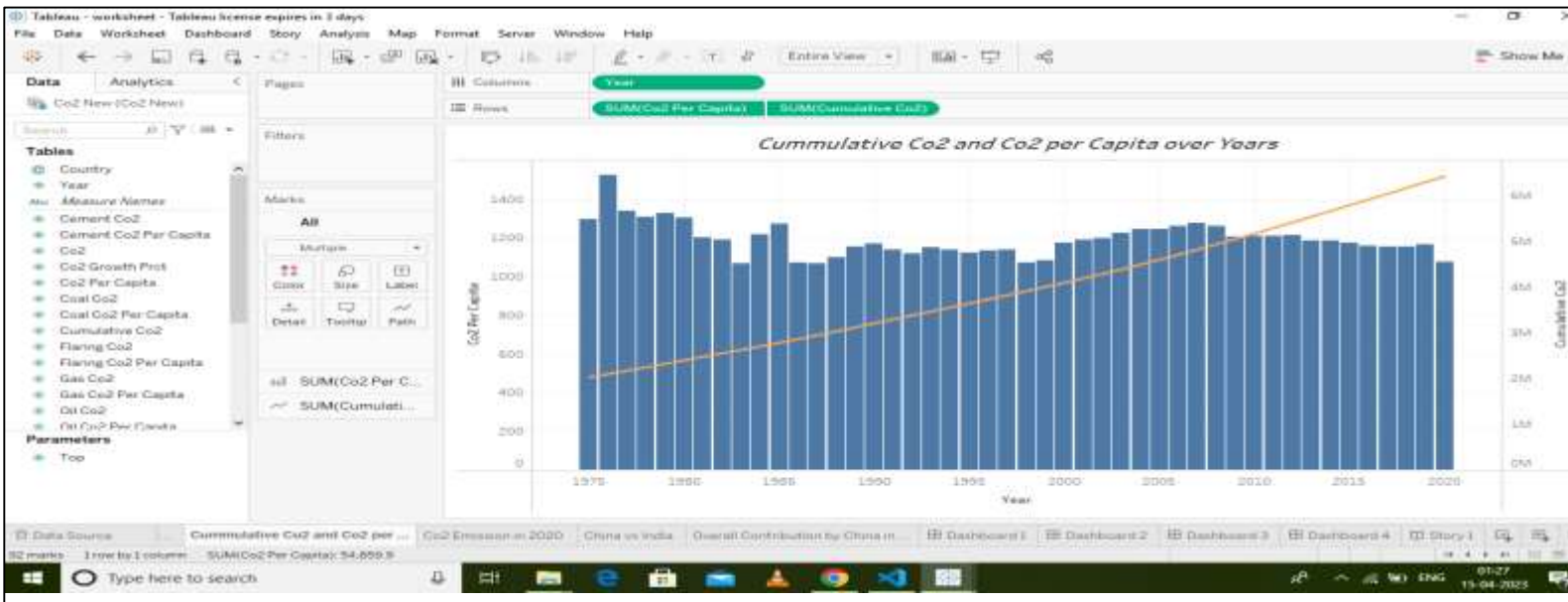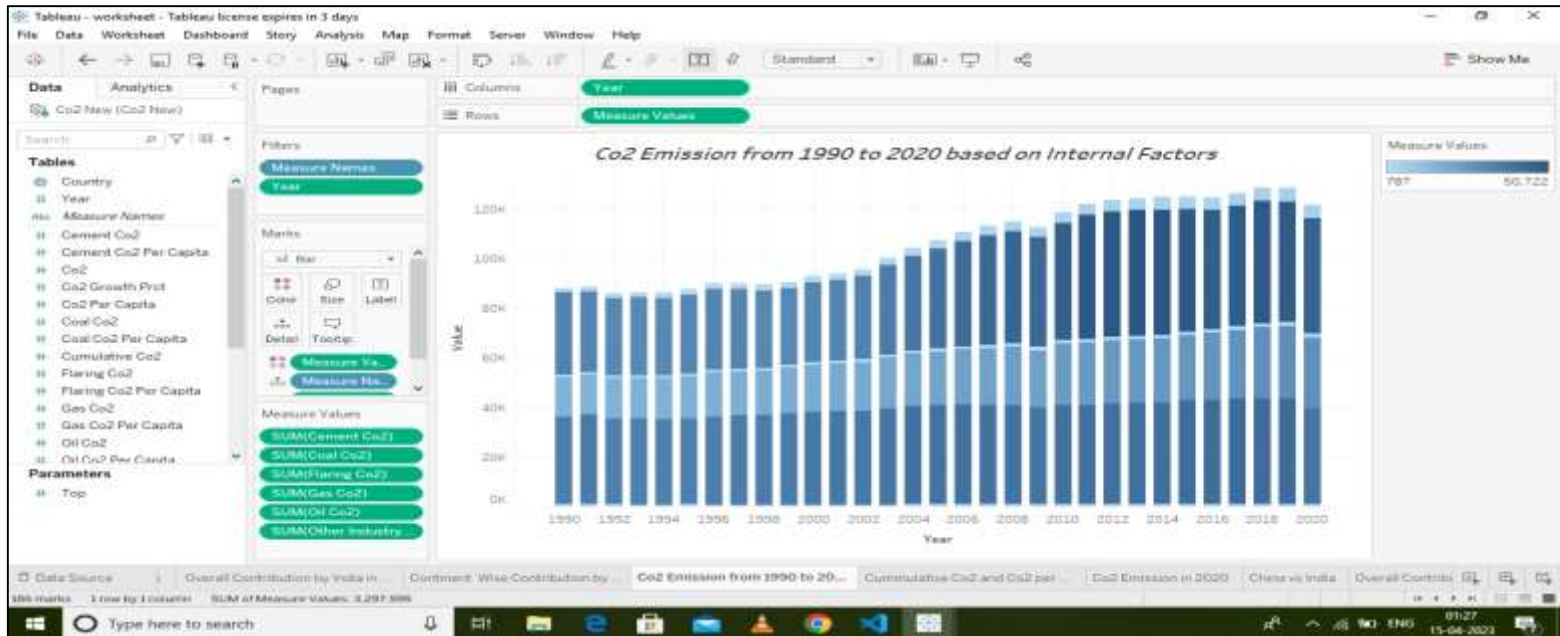
```html
    <header id="header" class="fixed-top ">
        <div class="container d-flex align-items-center justify-content-
between">

            <h1 class="logo"><img
src="https://media.istockphoto.com/id/1323550608/vector/co2-reduction-cloud-
eco-vector-
icon.jpg?s=612x612&w=0&k=20&c=jO3OZfYAg9gB8TWvzH8BR64Lq3pFrfHcOvxpSgB-cjA=">
</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="#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>
                <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>
```

```html
                    <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">
                    <img
src="https://www.treehugger.com/thmb/LbdMV9gbfA1S7Y3SB0XhlSl4EFw=/1500x0/filte
rs:no_upscale():max_bytes(150000):strip_icc()/co-why-is-carbon-dioxide-bad-
4864246_V2-4ea7c0936b5a4cd3b8d4f2b41ec02f63.png" class="img-fluid animated"
alt="">
                </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 (CO2) 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 CO2. In 2020, the COVID-19
pandemic caused global CO2 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 CO2 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. CO2 emission levels in India dropped for the first time
in four decades in the year
                      ending March 2020. Global CO2 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='viz1672205035633'
style='position: relative'><noscript><img alt='Dashboard 1 '
src='https://public.tableau.com/static/images/Co/Co2da
sh/Dashboard1/1_rss.png' style='border: none' /></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='Co2dash/Dashboard1' />
                    <param name='tabs' value='no' /><param name='toolbar'
value='yes' />
                    <param name='static_image'
value='https://public.tableau.com/static/images/Co/Co2
dash/Dashboard1/1.png' />
                    <param name='animate_transition' value='yes' />
                    <param name='display_static_image' value='yes' />
                    <param name='toolbar' value='no' />
                    <param name='display_spinner' value='yes' />

```html
                    <param name='display_overlay' value='yes' />
                    <param name='display_count' value='yes' />
                    <param name='language' value='en-US' />
                    <param name='showShareOptions' value='false' />
                </object>
                </div>
                <script type='text/javascript'>
                    var divElement =
document.getElementById('viz1672205035633');
                    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 = '90%';
                        vizElement.style.height = (divElement.offsetWidth *
0.75) + 'px';
                    } else {
                        vizElement.style.width = '100%';
                        vizElement.style.height = '1477px';
                    }
                    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>
izElement.style.height                         </div>

                    <div class='tableauPlaceholder' id='viz1672206123585'
style='position: relative'>
                        <noscript><a href='#'><img alt='CO2 Emission Story '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;G4&#47;G4Q8N
94F4&#47;1_rss.png' style='border: none' /></a>
                    </noscript><object class='tableauViz' style='display:none;'>
```

```html
                    <param name='host_url'
value='https%3A%2F%2Fpublic.tableau.com%2F' />
                    <param name='embed_code_version' value='3' /> <param
name='path' value='shared&#47;G4Q8N94F4' />
                    <param name='toolbar' value='yes' />
                    <param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;G4&#47;G4Q
8N94F4&#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></div>
                <script type='text/javascript'>
                    var divElement =
document.getElementById('viz1672206123585');
                    var vizElement =
divElement.getElementsByTagName('object')[0];
                    vizElement.style.width = '100%';
                    v = (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>

            </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>
mage 1 </h4>
```

```html
                        </div>

                    <div class="row portfolio-container">

                        <div class="col-lg-4 col-md-6 portfolio-item filter-
web">
                            <div class="portfolio-wrap">
                                <img src="assets/img/img2.jpg" class="img-
fluid" alt="">

                                <div class="portfolio-info">
                                    <h4>I

                                    <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">
                                <img src="assets/img/img3.jpg" class="img-
fluid" alt="">

                                <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>
                        <div class="col-lg-4 col-md-6 portfolio-item filter-
web">
                            <div class="portfolio-wrap">
                                <img src="assets/img/img4.jpg" class="img-
fluid" alt="">

                                <div class="portfolio-info">
                                    <h4>Image 3 </h4>

                                    <div class="portfolio-links">
```

```html
                                                <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">
                                        <img src="assets/img/img5.jpg" class="img-
fluid" alt="">

                                        <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 class="col-lg-4 col-md-6 portfolio-item filter-
web">
                                    <div class="portfolio-wrap">
                                        <img src="assets/img/img6.jpg" class="img-
fluid" alt="">

                                        <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">
                                        <img src="assets/img/img7.jpg" class="img-
fluid" alt="">

                                        <div class="portfolio-info">
                                            <h4>Image 4</h4>
                                            <div class="portfolio-links">
```

```html
                                            <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 class="row content">
                    <div class="col-md-5 order-1 order-md-2" data-
aos="fade-right" data-aos-delay="100">
                            <img src="assets/img/r1.jpg" class="img-fluid"
alt="">
                    </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">
```

```html
                                    <img src="assets/img/r2.jpg" class="img-fluid"
alt="">
                                </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 human activity/existence in the continent.
                                    </p>

                                </div>
                                <br>
                                <br>
                                <div class="row content">
                                    <div class="col-md-5" data-aos="fade-right">
                                        <img src="assets/img/r3.jpg" class="img-fluid"
alt="">
                                    </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">
                                        <img src="assets/img/r5.jpg" class="img-fluid"
alt="">
                                    </div>
```

```html
                               <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">
```

```html
                                        <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@smartbr
idge.com</p>
                                    </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>
                                <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>
```

```html
                                        </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-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. -->
```

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

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

```html
    <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:300,30
0i,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">
```

```html
            <h1 class="logo"><img
src="https://media.istockphoto.com/id/1323550608/vector/co2-reduction-cloud-
eco-vector-
icon.jpg?s=612x612&w=0&k=20&c=jO3OZfYAg9gB8TWvzH8BR64Lq3pFrfHcOvxpSgB-cjA=">
</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="#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>
                <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>
```

```html
                    <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">
                    <img
src="https://www.treehugger.com/thmb/LbdMV9gbfA1S7Y3SB0XhlSl4EFw=/1500x0/filte
rs:no_upscale():max_bytes(150000):strip_icc()/co-why-is-carbon-dioxide-bad-
4864246_V2-4ea7c0936b5a4cd3b8d4f2b41ec02f63.png" class="img-fluid animated"
alt="">
                </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 (CO2) 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 CO2. In 2020, the COVID-19 pandemic caused global CO2 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 CO2 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. CO2 emission levels in India dropped for the first time in four decades in the year
                        ending March 2020. Global CO2 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='viz1672205035633' style='position: relative'><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='Co2dash/Dashboard1' />
                <param name='tabs' value='no' /><param name='toolbar' value='yes' />
                <param name='static_image' value='https://public.tableau.com/static/images/Co/Co2dash/Dashboard1/1.png' />
                <param name='animate_transition' value='yes' />
                <param name='display_static_image' value='yes' />
                <param name='toolbar' value='no' />
                <param name='display_spinner' value='yes' />
                <param name='display_overlay' value='yes' />
                <param name='display_count' value='yes' />

```html
                    <param name='language' value='en-US' />
                    <param name='showShareOptions' value='false' />
                </object>
                </div>
                <script type='text/javascript'>
                    var divElement =
document.getElementById('viz1672205035633');
                    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 = '90%';
                        vizElement.style.height = (divElement.offsetWidth *
0.75) + 'px';
                    } else {
                        vizElement.style.width = '100%';
                        vizElement.style.height = '1477px';
                    }
                    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>
izElement.style.height                    </div>

                    <div class='tableauPlaceholder' id='viz1672206123585'
style='position: relative'>
                        <noscript><a href='#'><img alt='CO2 Emission Story '
src='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;G4&#47;G4Q8N
94F4&#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='path' value='shared&#47;G4Q8N94F4' />
                          <param name='toolbar' value='yes' />
                          <param name='static_image'
value='https:&#47;&#47;public.tableau.com&#47;static&#47;images&#47;G4&#47;G4Q
8N94F4&#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></div>
                  <script type='text/javascript'>
                          var divElement =
document.getElementById('viz1672206123585');
                          var vizElement =
divElement.getElementsByTagName('object')[0];
                          vizElement.style.width = '100%';
                          v = (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>

              </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>
mage 1 </h4>
                  </div>
```

```html
<div class="row portfolio-container">

    <div class="col-lg-4 col-md-6 portfolio-item filter-
web">
        <div class="portfolio-wrap">
            <img src="assets/img/img2.jpg" class="img-
fluid" alt="">

            <div class="portfolio-info">
                <h4>I

                    <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">
                <img src="assets/img/img3.jpg" class="img-
fluid" alt="">

                <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>
        <div class="col-lg-4 col-md-6 portfolio-item filter-
web">
            <div class="portfolio-wrap">
                <img src="assets/img/img4.jpg" class="img-
fluid" alt="">

                <div class="portfolio-info">
                    <h4>Image 3 </h4>

                    <div class="portfolio-links">
```

```html
                                            <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">
                                <img src="assets/img/img5.jpg" class="img-
fluid" alt="">
                                <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 class="col-lg-4 col-md-6 portfolio-item filter-
web">
                            <div class="portfolio-wrap">
                                <img src="assets/img/img6.jpg" class="img-
fluid" alt="">
                                <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">
                                <img src="assets/img/img7.jpg" class="img-
fluid" alt="">
                                <div class="portfolio-info">
                                    <h4>Image 4</h4>
                                    <div class="portfolio-links">
```

```html
                                        <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 class="row content">
                    <div class="col-md-5 order-1 order-md-2" data-
aos="fade-right" data-aos-delay="100">
                        <img src="assets/img/r1.jpg" class="img-fluid"
alt="">
                    </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">
```

```html
                                <img src="assets/img/r2.jpg" class="img-fluid"
alt="">
                            </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 human activity/existence in the continent.
                                </p>

                            </div>
                            <br>
                            <br>
                            <div class="row content">
                                <div class="col-md-5" data-aos="fade-right">
                                    <img src="assets/img/r3.jpg" class="img-fluid"
alt="">
                                </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">
                                    <img src="assets/img/r5.jpg" class="img-fluid"
alt="">
                                </div>
```

```html
                        <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">
```

```html
                                <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@smartbr
idge.com</p>
                            </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>
                        <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>
```

```html
                                        </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-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. -->
```

```html
          <!-- 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>
```