A
PROJECT
ON

"ENVID"

Submitted to

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
(AUTONOMOUS)
In the Partial Fulfillment of

B.Com. (Computer Application) Final Year

Submitted by
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THOTA SHREYA RAO

Under the Guidance of
Pravin J. Yadao

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR

(AUTONOMOUS)

2020-2021

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
(AUTONOMOUS)

CERTIFICATE

(2020 - 2021)

This is to certify that Mr. /Miss **TANUSHRI RATHOD & THOTA SHREYA RAO** has completed their project on the topic of **ENVID** prescribed by G. S. College of Commerce & Economics, Nagpur (Autonomous) for B.Com. (Computer Application) – Semester-VI.

Date:

Place: Nagpur

Pravin J. Yadao

Project Guide

External Examiner **Internal Examiner**

ACKNOWLEDGEMENT

We take this opportunity to express our deep gratitude and whole hearted thanks to project guide Prof. Pravin Yadao, Coordinator for his guidance throughout this work. We are very much thankful to him for his constant encouragement, support and kindness.

We are also grateful to our teachers Prof. Rahul Tiwari, Prof. Sushma Gawande, Prof. Preeti Rangari, Prof. Prajkta Deshpande and Prof. Haresh Naringe for their encouragement, help and support from time to time.

We also wish to express our sincere thanks to Principal Dr. N. Y. Khandait for providing us wide range of opportunities, facilities and inspiration to gather professional knowledge and material without which this project could not have been completed.

TANUSHRI RATHOD
THOTA SHREYA RAO
Student Names & Signature

Date:

Place: Nagpur

DECLARATION

We **TANUSHRI RATHOD and THOTA SHREYA RAO** hereby honestly declare that the work entitled **"ENVID"** submitted by us at G.S. College of Commerce & Economics, Nagpur (Autonomous) in partial fulfillment of requirement for the award of B.Com. (Computer Application) degree by Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur has not been submitted elsewhere for the award of any degree, during the academic session 2020-2021.

The project has been developed and completed by us independently under the supervision of the subject teacher and project guide.

TANUSHRI RATHOD
THOTA SHREYA RAO
Student Name & Signature

Date:

Place: Nagpur

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Introduction

Envid:

The global disruption caused by the COVID-19 has brought about several effects on the environment and climate. Due to movement restriction and a significant slowdown of social and economic activities, air quality has improved in many cities with a reduction in water pollution in different parts of the world.

The proposed project **"ENVID"** has been developed to know the factual position of environmental effects through this website. Technology plays an important role and is part of every field , using this technology we are trying to mobilize all information pertaining to effect of Environment before and after covid-19. This website is specially designed to monitor the different stages of Covid-19 effects on Environment and thereafter.

Envid is all about an informative website in which it tells that what were the "Impact on Environment due to Corona-Virus Pandemic and lockdowns ".What were the changes seen in environment if the world was at break for several days.

Lets Understand in brief-

"Silver lining of deadly pandemic"-this sounds like an oxymoron, but it's true when it comes to COVID-19.Even though the COVID-19 pandemic has wreaked havoc around the world and brought the world economy to a near standstill, there is one aspect in the world where it's having a positive impact**-the environment**.

During the COVID-19 lockdown, images of Himalayas being visible from Punjab and the clearer waters in the canals of Venice went viral on social media. Videos of animals like deer ,mountain goats ,peacocks and even wild cats wandering through the deserted streets in urban areas were also numerous .

Due to restrictions in fishing activities, dolphins were reported to have come a lot closure to shore than they had previously.

Nature has been the big winner during the COVID-19 pandemic. While human interference has been paused for the past few months, Mother Nature has reclaimed a bit of what humans took from her. Oil refineries and factories that spew venomous smoke into the atmosphere have been shut down.

Since people are staying home, all types of travel have also come to a halt, virtually eliminating the smoke generated by countless vehicles on the streets of the world, not to mention those contributed by airplanes ,trains and other means of transportation. These factors have caused carbon dioxide and nitrogen dioxide emissions to fall drastically, making the air around the globe particularly metropolitan cities just a big cleaner and the skies, a bit bluer.

Though these signs of nature healing during the COVID-19 lockdown may give us hope that this could be a sustainable change, experts predict that such an outcome seems highly unlikely. Once the pandemic is over and the lockdowns are lifted vehicles will start rolling, factories will come to life again, and the pollutants will cloud the air, just as it did before the lockdown.
Some experts even suggests that people may shirk public transportation in favor of conveyances like cars to reduce the risk of being infected thus leading to more vehicles on the streets post lockdown causing more air pollution.

Even though the positive effect of the lockdown has had on the environment may not last long, it is still eye-opening to see how humans exploited nature and the way Mother Nature tries to heal when humans leave her alone for some time.

Hopefully, world leaders, environmentalists and policy makers have seen the uplifting visuals of nature regenerating during the lockdown

and will try to take stronger steps to protect the environment in the future.

In this website **ENVID** we have covered the topics which are as follows:

1. Environment(Nature)
2. Wildlife
3. Pollution
4. Climate
5. Waste Management
6. News
7. About us

This project is very easy to handle and saves time and its information is very valuable in today world. Therefore, each user can access or search this website very easily by using this computerized system the coding of an HTML languages makes the website easy to handle for the user in computerized system.

OBJECTIVES

OBJECTIVES:

1. **Awareness:** The main objective of our project "ENVID" is to increase awareness among people about Environment and Nature.

2. **Provide Platform:** We provide platform for students who require information about impact on environment due to Corona Virus which is provided in very easy and readable format.

3. **Quick Access:** The user can easily access the information as all information regarding Environment is covered in this website. The user will easily get the information at one place and is user friendly designed.

4. **Easy To Use:** With the help of our website it is easy to gather all information from our site and increase the interest of students.

5. **Engage Your Audience:** When you realize that people are actually looking for what you have to offer because you have built your website and online presence, it is time to engage and connect.

6. **Time Saving:** User can easily save their time by using this website because all the information regarding Environmental effects due to Covid-19 is quickly provided to the user.

7. **To Promote Healthy Environment Through Our Website:** The topic Envid covers all categories which comes under environment and after going through this website people will understand how much impact was there on mother-nature due to lockdown and pandemic.

8. **Increase Knowledge:** In this site information regarding effects of COVID-19 on Environment is designed which support to increase knowledge of younger generation and gives interest to them to knowing about them.

9. **Giving Importance To Nature:** Our sites provide the information of Mother-Nature which gives importance to Environment.

10. **Impact on Wildlife:** This website also provides information regarding animals and their habitat. Animals are as important as humans for maintaining healthy ecological balance on this earth. Therefore this will also help in protecting population of animals and their habitat by establishing sanctuaries.

PRELIMINARY SYSTEM ANALYSIS

PRELIMINARY INVESTIGATION

While doing the investigation we came across a topic Envid.
We selected this topic because as we know during this pandemic situation environment is suffering a lot and also there is not much information about how the pandemic has affected the environment.

So while selecting a topic for project we thought about environment and after discussing about it there was a new idea of including effects of corona virus disease on environment.

The second thing after selection of topic was to build a informative website on impact of COVID-19 on Environment, to make people aware about how much the Mother-Nature was suffering from pollution whether it may be water pollution, air pollution or any other.

Third step was to give a name to the project and the idea of project name "**ENVID"** is derived from environment's "En" and Covid-19'S "VID". The term **ENVID** depicts the impact or effect on environment caused due to the Corona virus pandemic whether it may be positive or negative.

And finally This project is well designed in a healthy , effective and efficient manner!

PRESENT SYSTEM IN USE

The present system in use can also be considered as an existing system. The earlier systems which are used to gather information have only particular specified topics covered.

The present system is a bit of complex in nature. These systems need to be user-friendly i.e. easy to understand. There are very few websites which provides information regarding impact on environment due to Covid-19. The present systems either provide information regarding environment or corona virus but doesn't have combined information ,therefore to make public aware that if the world goes for break for at least five days there is huge amount of reduction in pollution , which is also a positive impact on environment ultimately which is shown in our website.
In our website we have provided all information as compared to the existing system regarding environment which covers maximum topics in it. It will help students gather information in very easy way, and people who are interested in reading environment related topics can get good information through our system as compared to any other.

We have provided all information in one platform. The existing systems have the un-updated content without proper pictures and videos which makes the users boring.

Therefore these systems need to be updated with the new ones, with more attractive web pages.

Flaws In Present System

A website should be user friendly so that users can easily access, but in the present systems it's not that well-structured and designed.
The present System is full of burden and is hectic one as the users have to visit various websites to gain different information.

In the existing system, there are very few websites working on internet with insufficient and old content, these websites are not maintained regularly and it does not provide the latest content to the users, and it makes the website of no particular use for the user considering current scenario.

Internet technology is a rapidly developing and constantly changing field. The goal of any new tech stack is to make websites better: faster, simpler, lighter, more secure so that you always provide your users with the best possible service and user experience. Therefore the websites need constant upgrade but the present systems have the same old content.

Need Of New System

The present system is not very informative as compared to our system. In our system we have overcome these flaws of the present existing system by creating a website which is a compact and a complete website i.e. we have provided all information on a single platform. We have also covered the current topic of the whole world i.e. is corona virus pandemic and its impact on environment.

The existing system only provides information which makes users boring as it doesn't includes any attractive pictures, gifs or videos.

The previous websites don't have the news option but in our website we have provided that option also so that the users can get to access information as well as news.

Our Website is user friendly as compared to other sites. In previous system users had to visit different websites for different information regarding same topic but in our website every information is available at single platform.

Feasibility Study

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A feasibility study is an analysis of how successfully a project can be completed, accounting for factors that affect it such as Economic, technological, legal and scheduling factors.

Project managers use feasibility studies to determine potential position and negative outcomes of a project before investing a considerable amount of time and money into it.

It is not to solve the problem completely but to acquire the scope and workability of the problem by picking up the best solution from the various alternatives.

A good feasibility study will show the strengths and deficits before the project is planned or budgeted for by doing the research beforehand, companies can save money and resources in the long run by avoiding projects that are not feasible.

To relate feasibility study with Envid was to determine whether the website can be created using the current technology and within the specified budget and schedule. And also to determine the need of the users.

Feasibility study can be classified as:

1.Technical Feasibility: This assessment focuses on the technical resources available to the organization. It helps organizations determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems. Technical feasibility also involves the evaluation of the hardware, software, and other technical requirements of the proposed system.

2.Economic Feasibility: Given the financial resources of the company, is the project something that can be completed. The economic feasibility study is more commonly called the cost/benefit analysis.

3.Social Feasibility: Whether the proposed project will be acceptable by the society or not is all about social feasibility.

4. Behavioral Feasibility: It evaluates and estimates the user attitude or behavior towards the development of new system.

It helps in determining if the system requires special effort to educate, retrain, transfer, and changes in employee's job status on new ways of conducting business.

PROJECT CATEGORY

To create an attractive website, it is necessary to construct Web Pages more effective. In our website we have every topic covered related to environment which helps in user satisfaction. This is an informative website including attractive images and gifs. There are labels which helps in jumping from one page to another.

Home
Environment
Wildlife
Pollution
Climate
Waste-Management
News
About-Us
The above points are the menu which we used in our project.

The languages used in our website are HTML ,CSS and PHP.

HTML:

HTML stands for Hyper Text Markup Language. html is the standard markup language for creating Web pages. Html describes the structure of a Web page. Html consists of a series of elements. Html elements tell the browser how to display the content.

HTML, or Hypertext Markup Language, is a markup language for documents designed to be displayed in a web browser. When used in conjunction with other technologies like CSS and JavaScript, it creates the vast majority of content seen on websites. HTML is used for a huge variety of things on the web, from building complex websites that offer email and calendar functions to constructing a simple course website or resume. Due of HTML tags different special effects of text, picture, animation effect, colour effect, text size and font styles can define to make more effective web page.

Most of the web pages in different web sites are built up with HTML codes. HTML document consist of different instruction. Each construction is called as "Element". For building the web are used all HTML tags. It provides a means to create structured documents by using text such as heading, paragraphs, list etc.

Tags Used In Html

1. **HTML TAG -** This is the first tag in every HTML document. This tag indicates that the content of the file as in the HTML language. The entire document is placed between the <HTML> and </HTML> starts and ends tags.
2. **HEAD TAG -** The <HEAD> element includes the information about the HTML documents. Information given within the <HEAD> is not displayed as part of the web page content.
3. **TITLE TAG -** The <TITLE> tag is used to specify the title of the HTML page. <TITLE>tag is always placed inside the <head> tag and it does not accept any attribute.
4. **BODY TAG** - The <BODY> element forms the main body of the HTML document. We can use the <body> tag to specify the background color and margins of the text in an HTML page.
5. **STYLE TAG -** Style sheets are important components of HTML that make a web page dynamic.
6. **FONT TAG** - The FONT element uses the <FONT>....</Font tags to enclose and format selected text.
7. **LINE BREAK TAG** - The
 tag breaks the line of text or graphic and simply jumps to the start of the next line. It does not affect the font or the spacing of our document.
8. **PARAGRAPH TAG** - The paragraph <P> tag tells the browsers that, the text in us document constitute paragraph. The paragraph element is nested inside the <Body> element, the paragraph tag uses <P>.....<P> tags. The closing tag </P> is optional.
9. **ANCHOR TAG** - Anchor tag is used to create hyperlink by using <A>....</A> tag. The</A> tag is mainly used for creating links to other web pages or within the same web page.

CSS(Cascading Style Sheets):

Cascading **S**tyle **S**heets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

In our Project we have used CSS to make our project look more attractive and efficient.

PHP(Personal Home Page **):**

PHP is a recursive acronym for "PHP: Hypertext Preprocessor".

PHP is a server side scripting language that is embedded in HTML. It is used to manage dynamic content, databases, session tracking, even build entire e-commerce sites.

PHP performs system functions, i.e. from files on a system it can create, open, read, write, and close them.

SOFTWARE AND HARDWARE REQUIREMENT SPECIFICATIONS

SOFTWARE AND HARDWARE REQUIREMENT SPECIFICATIONS

When we use the high-speed processor and more ram then machine will work properly and it becomes very easy to use or access our website. Software and hardware are most import part in the project which helps to run the project very easily.

Hardware: Hardware refers to the physical elements of a computer. This is also sometime called the machinery or the equipment of the computer.

Below are the components which were required:

Computer components like Monitor, Keyboard, Mouse, CPU.

Minimum 2 GB ram for smooth working of application.

500 GB hard disk or More.

Wi-Fi Adaptor or an active internet connection.

Software: Software is a collection of codes installed onto your computer's hard drive. SOFTWARE is a general term used to describe a collection of computer programs, procedures, and documentation that perform some task on a computer system.

Software systems are of three type- system software, programming software, and application software.

Following software which were used are:

Operating System: Microsoft Windows7

Languages used(Front End):HTML,CSS.

Database Used(Back End): PHP**.**

TOOLS AND/PLATFORM LANGUAGE USED

FRONT END

Front end is used to display the website and software. The use of PHP(Hypertext Preprocessor) and HTML(Hyper Text Markup Language) for developing a website with an easy to understand language of creating a website, improve the appearance of the website reprehensively.

HTML document are composed entirely of HTML elements that, in there most general from have three components: a pair of element tags, a :"start tags" and "end tags": than some elements attributes within the start tag: and finally any textual and graphical content between the start and end tags. HTML is the language in which most websites are written. HTML is used to create pages and make them functional. The code used to make them visually appealing is known as CSS.

The HTML element is everything between and including the tags. Each tag is enclosed in angular brackets. Hypertext markup makes part of document in to links to other document an anchor element creates a hyperlink in the documents with the here attributes set to the link URL. The vast majority of tags must be opened (<TAG>) and closed (</TAG>) with the element information such as a title or text resting between the tags. When

using multiple tags, the tags must be closed in the order in which they were opened.

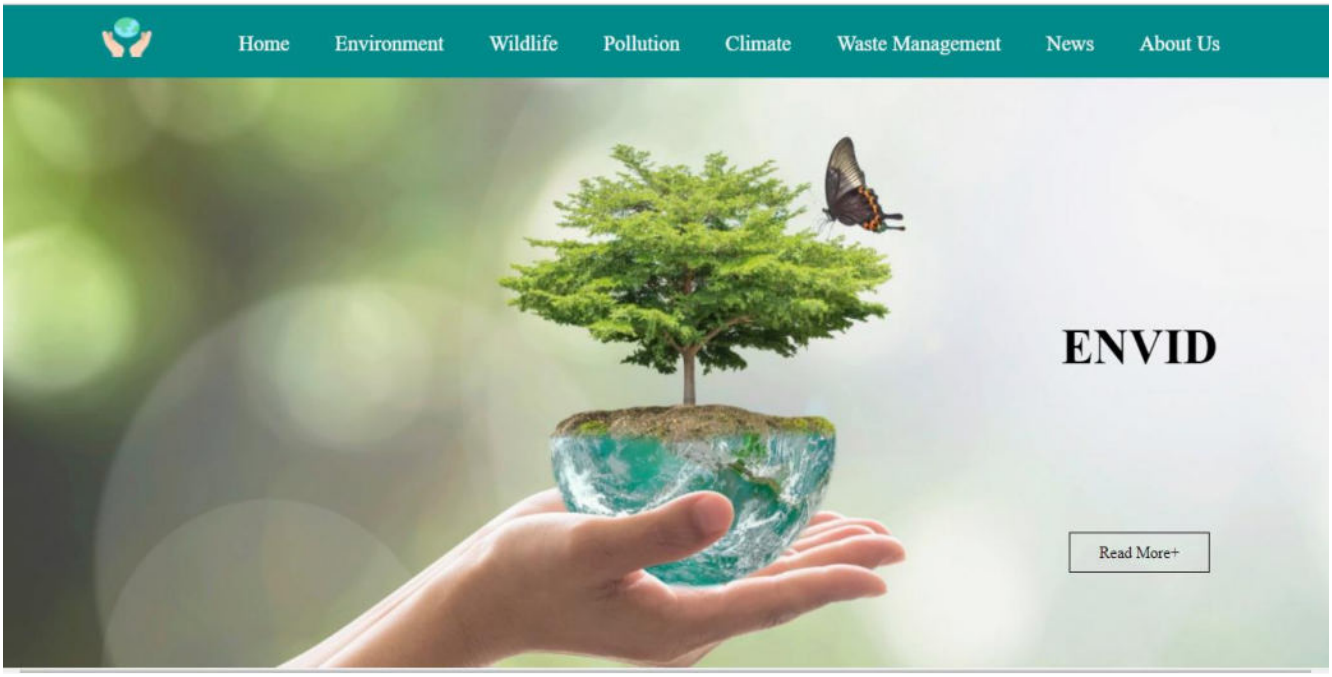
BACK END

A "back-end" application or program serves indirectly in support of the front- end services, usually by being closer to the required resource or having the capability to communicate with the required resource. The back-end application may interact directly with the front-end or, perhaps more typically, is a program called from an intermediate program that mediates front-end and back-end activities. In our project we have used CSS as our back-end for our designing. It is particularly useful in handling structured data were there are relations between different entities/variables of the data.

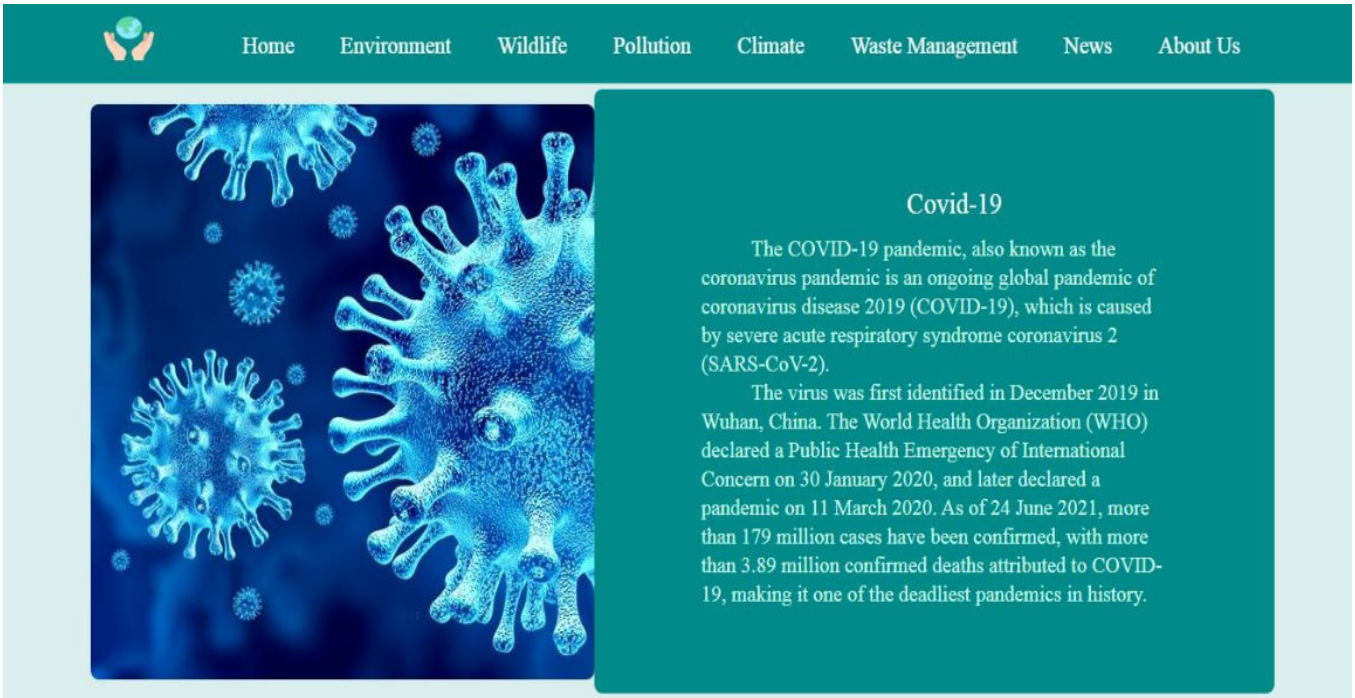
SYSTEM DESIGN

FORM DESIGN:

Home Page:



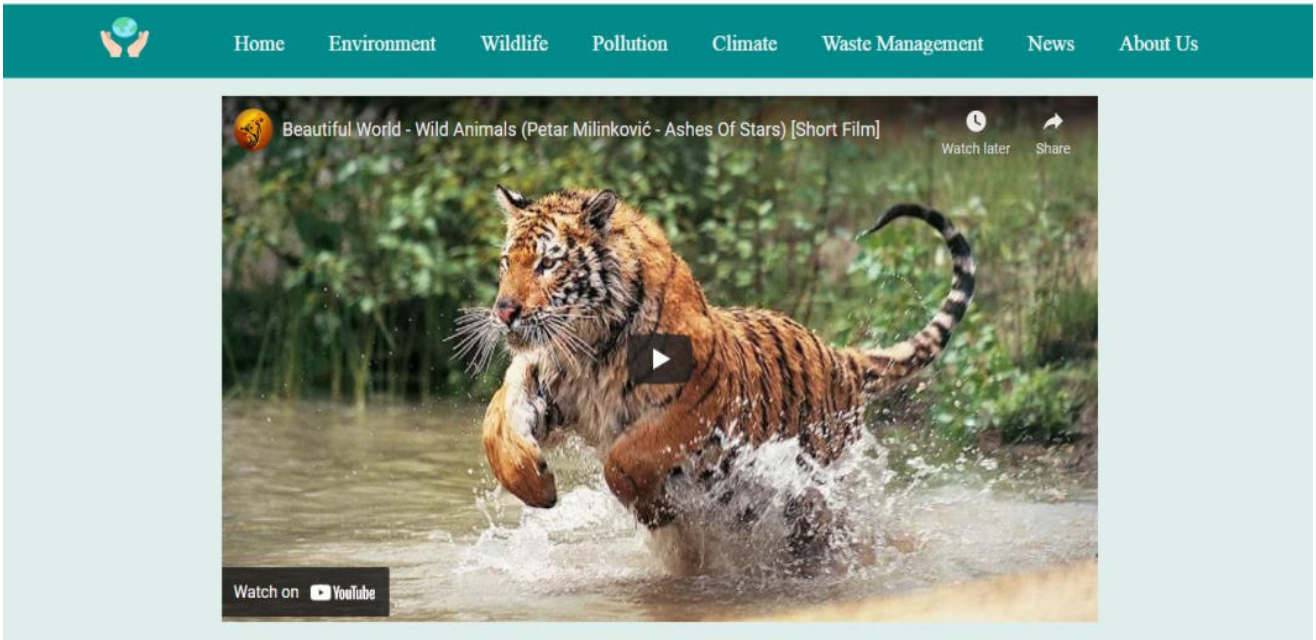
Home Page 2



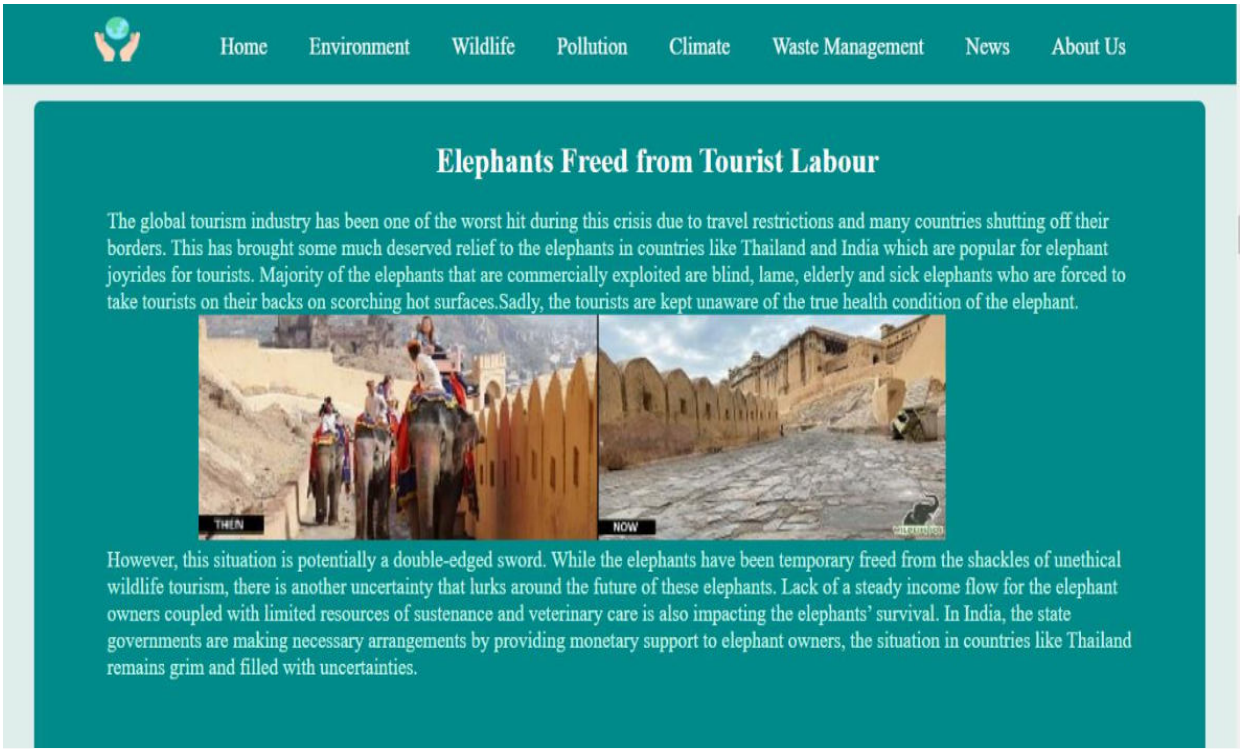
Environment

Wildlife Page1

Wildlife Page2



Wildlife page 3



Wildlife Page4

Home Environment Wildlife Pollution Climate Waste Management News About Us

RESEARCH ON ANIMALS AND COVID-19

Many studies have been done to learn more about how this virus can affect different animals in some positive and negative ways.
- Recent experimental research shows that many mammals, including cats,dogs, bank voles, ferrets, fruit bats, hamsters, mink,pigs, rabbits, raccoon dogs, tree shrews, and white-tailed deer can be infected with the virus.
- Cats, ferrets, fruit bats, hamsters, racoon dogs, and white-tailed deer can also spread the infection to other animals of the same species in laboratory settings.
- Chickens and ducks do not seem to become infected or spread the infection based on results from studies. Wildlife benefited from reduced air and noise pollution as industry, natural resource extraction, and manufacturing declined.

There was less litter found on beaches and in parks, and beach closures in some areas left the shoreline to wildlife.But there were also many downsides to the lack of humans. Lockdowns disrupted conservation enforcement and research efforts, and in many places illegal hunting and fishing increased as poor, desperate people looked for ways to compensate for lost income or food.Parks that were open to visitors were inundated by abnormally large crowds. And in many places, hikers expanded trails, destroyed habitats, and even trampled endangered plants.The researchers estimate that delays to invasive species control programs caused by lockdowns will have a huge impact.
Below is the link where a Positive impact has been shown due to lockdown!

Click-here

Pollution page1

Home Environment Wildlife Pollution Climate Waste Management News About Us

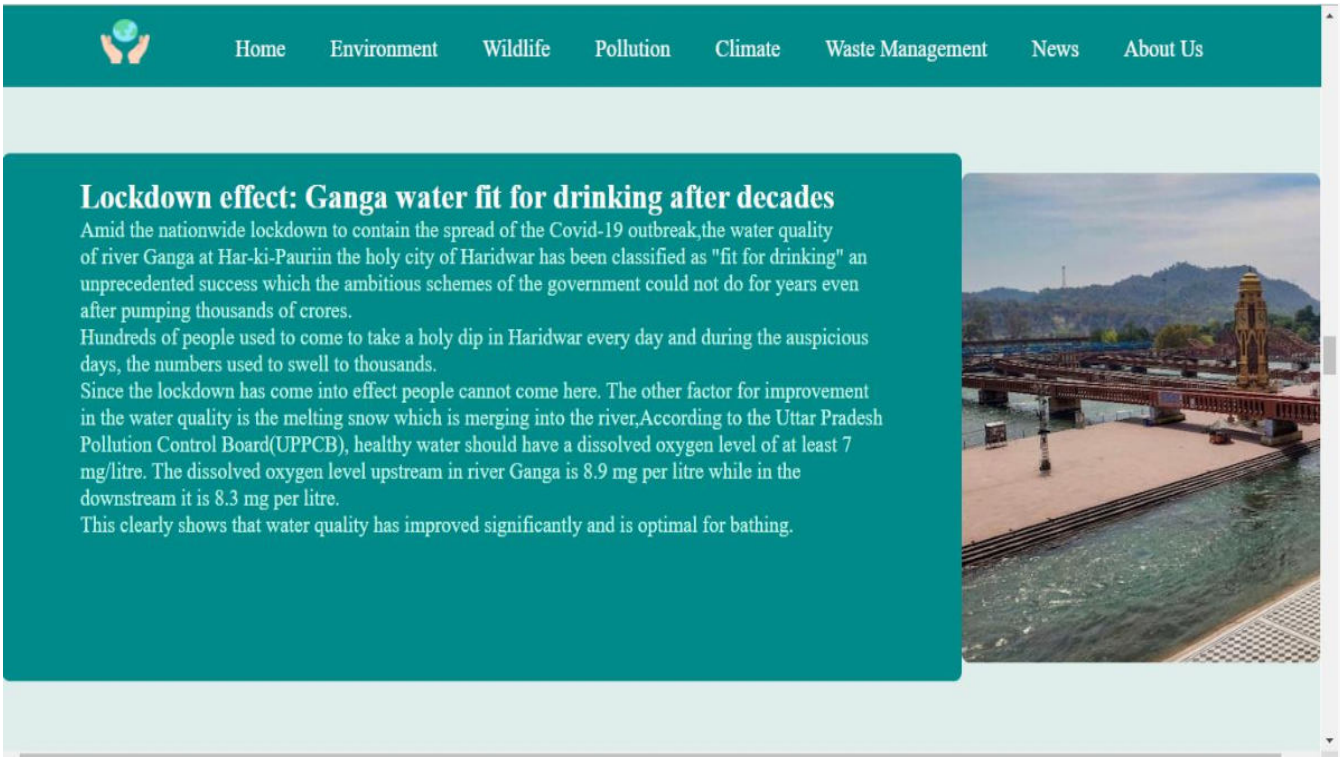
COVID-19 lockdowns had strange effects on air pollution across the globe.

- The restrictions have sent financial markets into free fall. But they have also given residents in some of the world's most polluted cities something they have not experienced in years .i.e'Clean Air'!
- Satellite observations record information on aerosols in the atmosphere.NASA's model is then able to provide estimates of the distribution of these pollutants close to the Earth's surface.

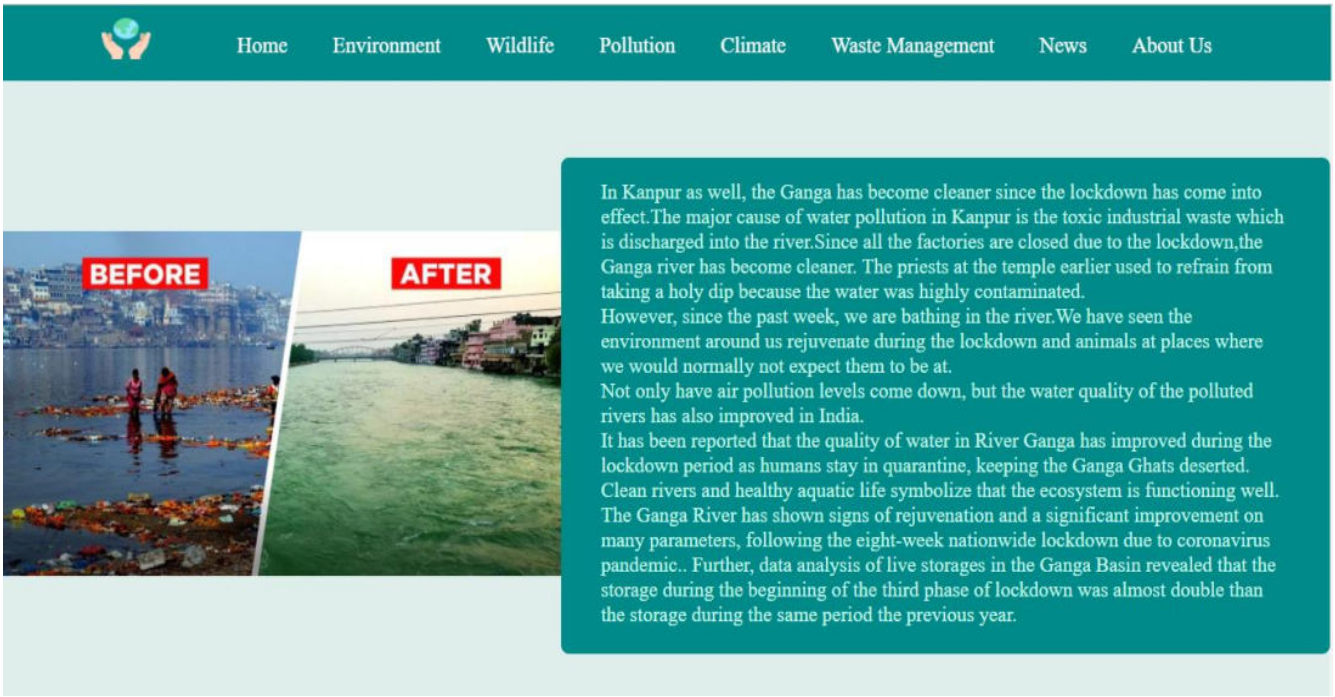
INDIA

Every winter, New Delhi and other big cities in the north are enveloped in a blanket of smog as farmers burn crop residue. The air tends to clear a little in spring.However, in the first few months of this year, India experienced a significant decline in some pollutants. The lockdown imposed by Prime Minister Narendra Modi on the country's 1.3 billion people could be a major contributing factor. Air pollution levels are often influenced by local meteorology, like temperature or wind speed. Several early analyses are showing declines in air pollution in regions where shutdowns have taken place.

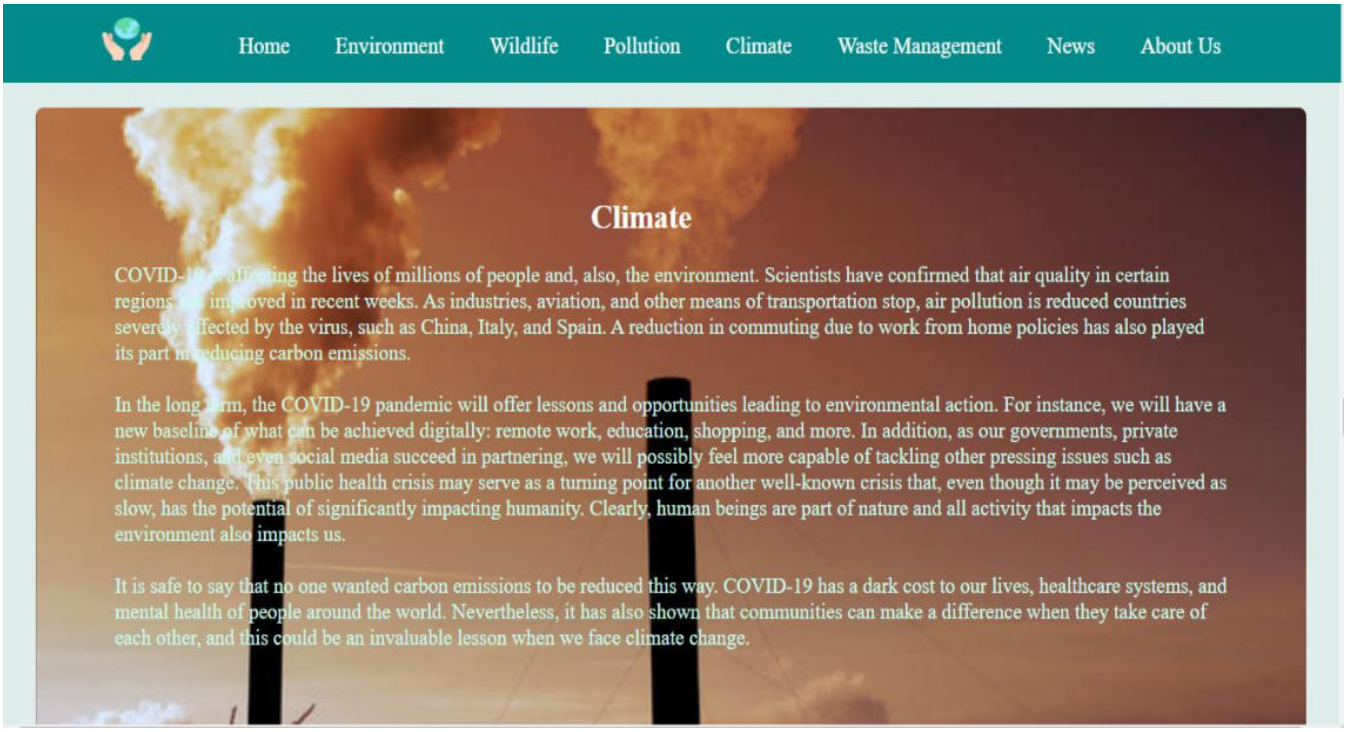
Pollution page2



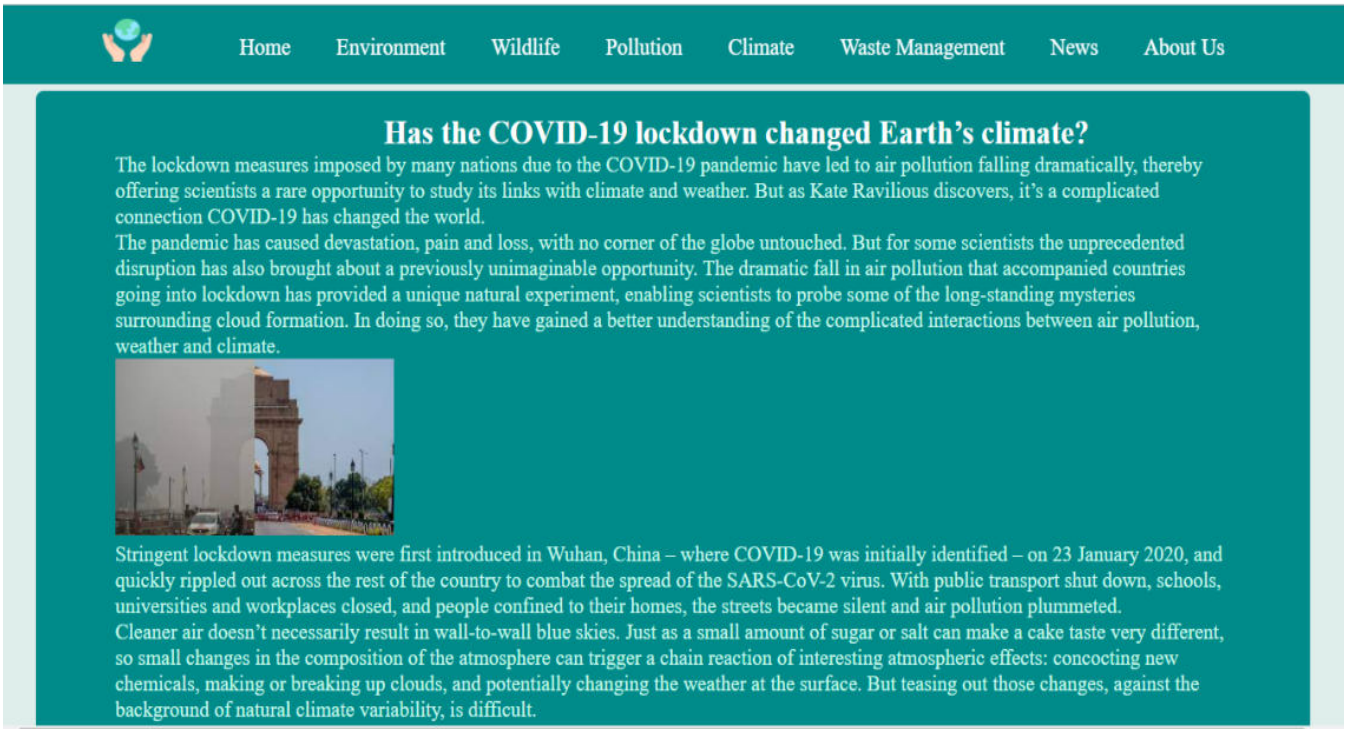
Pollution page3



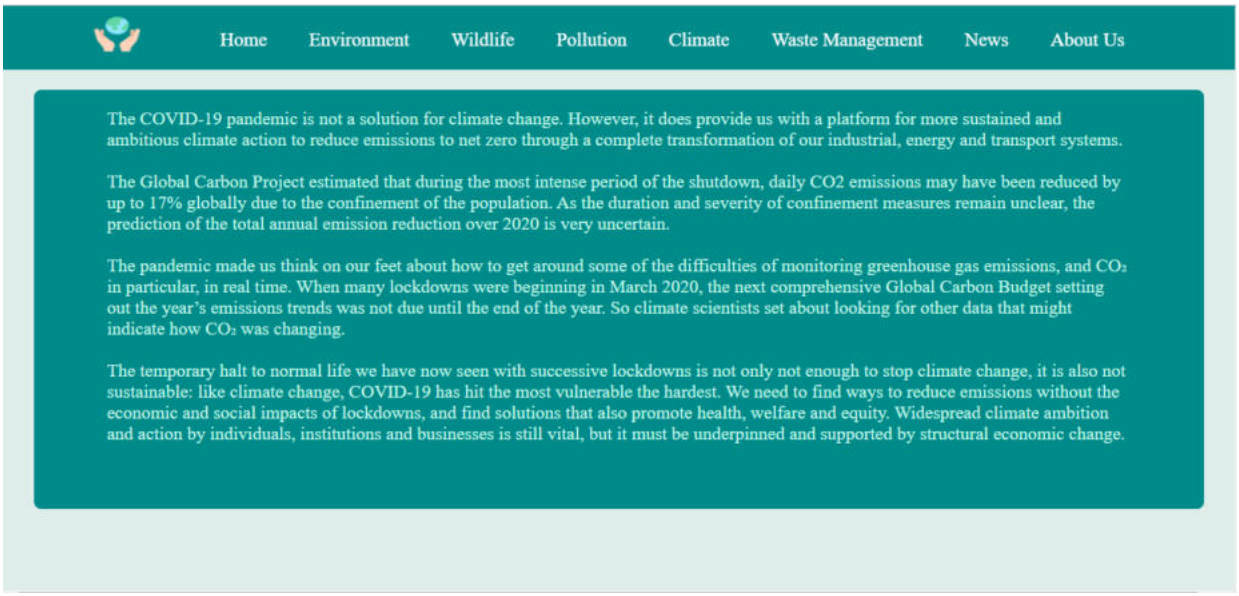
Climate page1



Climate page2



Climate page3



Waste Management page1

Waste Management page2

Effect on Waste Receiving and Recycling

According to the world bank classification, the low-income countries mostly generate wet waste dumped openly, and only 20% of total waste goes for recycling.comparison, this fraction is 51% for high-income countries, as most of the waste is recyclable and has better waste management. At the moment of the pandemic,all the nations suffer from the lack of returns and proper functioning of recycling facilities due to employees' lean attendance at work.

Waste Management Plan

To handle the waste generated from household, streets, quarantine centers or hospitals, it is necessary to understand the lifecycle of virus, transmission, and control pathways.The lifespan of the virus also varies for different surfaces, known as fomites (objects or materials that are likely to carry infection, such as clothes, utensils, and furniture etc) and mostly, the virus stays on the smooth surfaces for a longer duration.

The waste collection systems with a compaction system may also release the aerosols with the virus if the household waste is collected from the residence of home quarantined patients. Biomedical waste has a range of waste such as human and animal anatomical waste,contaminated blood, swabs, expired medicines, syringes, glassware, discarded mattresses, etc. that may contain various infections

Waste Management page3

Several disinfectants are used to eliminate the vector of disease while handling the waste. Some of the commonly used disinfectants are alcohol, chlorine, hydrogen peroxide, iodophors, phenolics, etc.

The Association of Cities and Regions for Sustainable Resource Management (ACR+) has given separate protocols for waste collection for frontline waste workers' safety to collect waste from houses with COVID- 19 patient and quarantine facilities. This waste is source segregated and sent directly to the incinerators or landfills The Central pollution control board (CPCB), India, has altered the waste disposal rules for biomedical waste during COVID- 19 for infected debris. The waste from isolation wards needs to be labeled as "COVID- 19 waste" such that the Common Biomedical Waste Treatment Facility (CBWTF) can handle it separately. Whatever container stores the COVID-19 waste has to be disinfected by the 1% sodium hypochlorite solution daily.

The waste should be disposed of in black dustbins (for mixed municipal waste containers) to avoid littering and thoroughly wash hands after disposal.

Due to the low availability of waste management staff (<70%), it is necessary to adopt a degraded mode of waste collection. Instead of stopping at every house to collect the waste, it can be collected from several complexes to a common place. It will minimize close contact during waste collection.

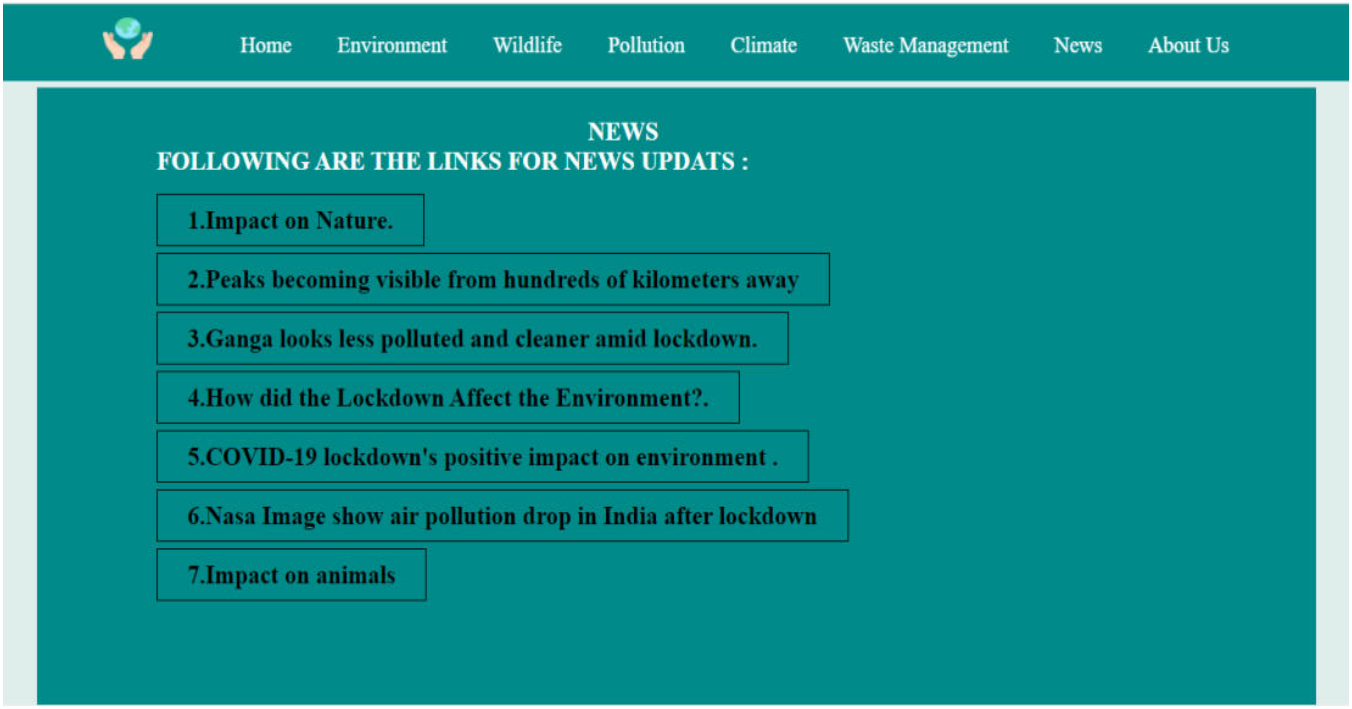
International Solid Waste Association (ISWA) has covered three overall goals to manage the waste during COVID-19 pandemic. The waste management practices should not be compromised anywhere in the world. The health of waste management workers should not suffer and be well equipped with protective gear to ensure safety.The recycling activity needs to be re-iterated to avoid infection or cross-contamination.The biomedical waste should be safely disposed of such that it 'doesn't generate secondary pollutants or infection.

It has also provided guidelines (temporary) for the municipal waste service provider, generators-the citizens, COVID positive patients, and recycling companies and operators. For municipal waste service providers: The collection of mixed recyclables should be discontinued, and manual handling should replace mixed mechanical-manual handling systems. The expansion of storage facilities can help maintain a safe waiting period before handling the recyclables by the professionals to avoid the layoff of services.

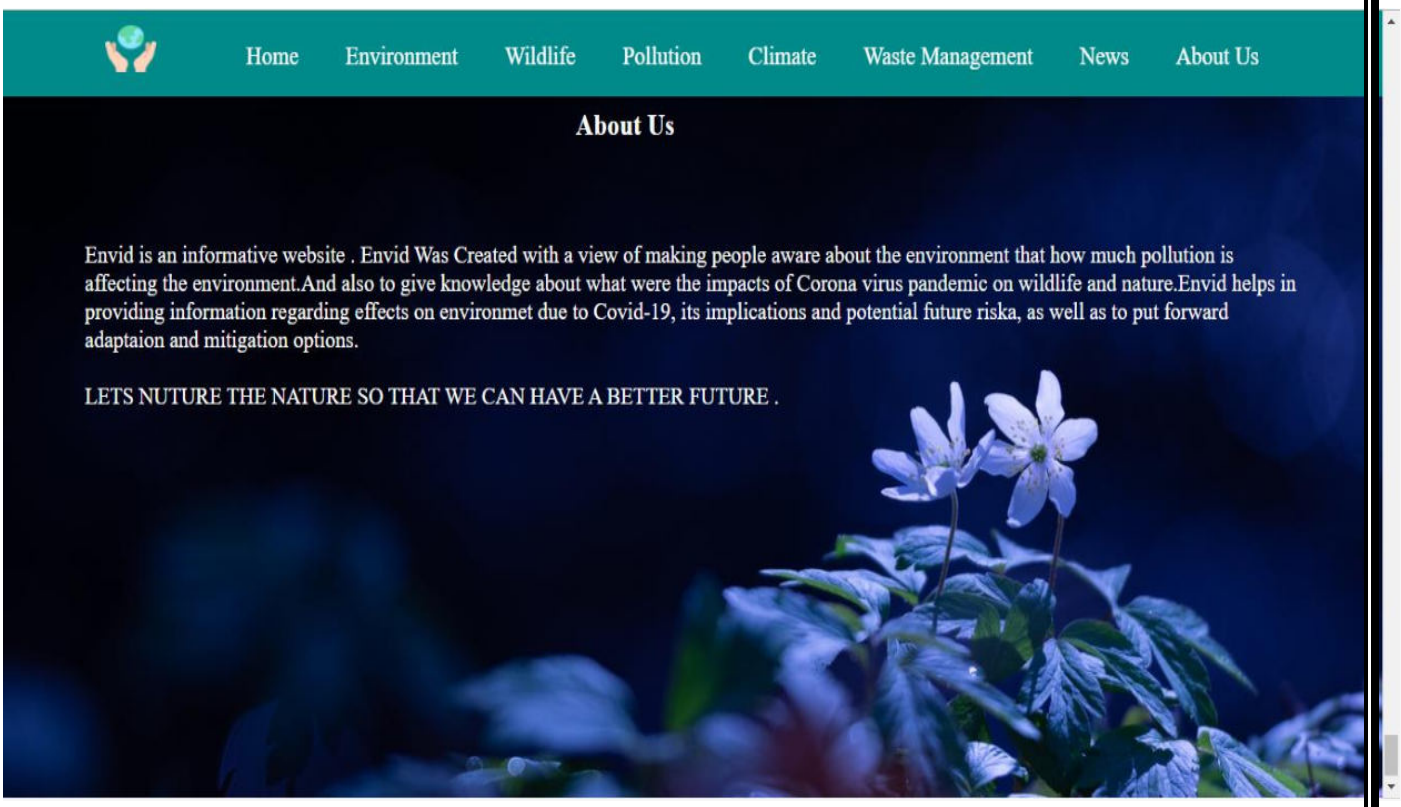
For generators-the Citizens: The recyclables should be separated at the source. The recyclables can be stored in paper bags (residence time of virus on paper: 24h) as the plastic packaging retains the virus for a longer duration.

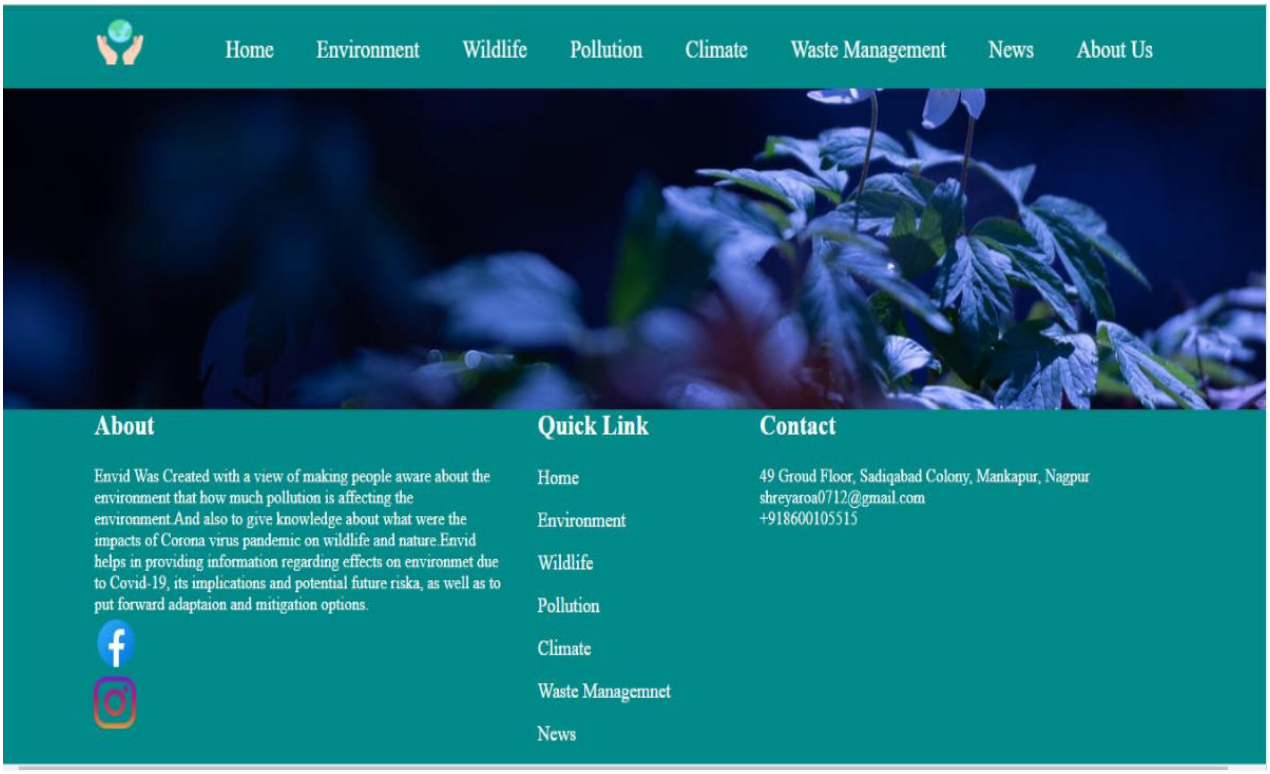
The package can be stored for a minimum of three days before giving it for collection. If a plastic bag is used for storage, it should be in other plastic containers with the date of mentioning it to the recycling center.

News page



About US




Home
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About
Envid Was Created with a view of making people aware about the environment that how much pollution is affecting the environment.And also to give knowledge about what were the impacts of Corona virus pandemic on wildlife and nature.Envid helps in providing information regarding effects on environmet due to Covid-19, its implications and potential future riska, as well as to put forward adaptaion and mitigation options.
Quick Link
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SOURCE CODE:

HOME PAGE

Coding:

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset=UTF-8>
<meta name="viewpoint" content="width-device-width,initial-scale=1.0">
<link rel="icon" href="earth-day.png" type="image/x.icom">
<link href="https://fonts.googleapis.com/css2?
family=Raleway:wght@100&display=swap" rel="stylesheet">
<title>Envid</title>
<link rel="stylesheet" href="css/ss.css">
</head>
<body>
<div id="NavBar">
<div class="logo">
<img src="earth-day.png">
</div>
<nav>
<ul>
<li><a href="#Home">Home</a></li>
```

```
<li><a href="#Environment">Environment</a></li>
<li><a href="#Wildlife">Wildlife</a></li>
<li><a href="#Pollution">Pollution</a></li>
<li><a href="#Climate">Climate</a></li>
<li><a href="#Waste-Management">Waste Management</a></li>
<li><a href="#News">News</a></li>
<li><a href="#About Us">About Us</a></li>
</ul>
</nav>
</div>
<section id="Home">
<section id="banner">
<div class="button" >
<a href="#intro" class="btn">Read More+</a>
</div>
<div class="tt">
<h1>ENVID</h1>
</div>
</section>
</section>
<section id="intro">
<div class="left">
</div>
```

```
<div class="right">

<div class="container">

<h1>Covid-19</h1>

<p>          The COVID-19 pandemic, also known as the coronavirus pandemic is an ongoing global pandemic of coronavirus disease 2019 (COVID-19), which is caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2).<br>

          The virus was first identified in December 2019 in Wuhan, China. The World Health Organization (WHO) declared a Public Health Emergency of International Concern on 30 January 2020, and later declared a pandemic on 11 March 2020. As of 24 June 2021, more than 179 million cases have been confirmed, with more than 3.89 million confirmed deaths attributed to COVID-19, making it one of the deadliest pandemics in history.</p>

</div>

</div>

</section>
```

CSS

Code:

```
*{
margin:0;
padding:0;
box-sizing: border-box
}
html{
        scroll-behavior: smooth;

}

div, section, span, ul, li,a,header{
box-sizing: border-box;
```

```
}

#NavBar{
   width: 100%;
        height: 70px;
        position:fixed;
        right:0;
        top:0;
        background:#008b8b;
        line-height: 75px;
        padding: 0px 100px;
        z-index: 1;
}

nav ul{
        float: right;
        }

nav ul li{
        display: inline-block;
        padding: 0px 20px;
        list-style: none;
        }

nav ul li a{
        color:#fff;
        text-decoration: none;
        font-size: 21px;
        padding: opx 64px;
        border: 1px solid transparent;
        transition: 0.6s easy;
        }

nav ul li a:hover{
                        color:#c0d96f;
                }

nav ul li .active{
                        color:  #000;
                }
```

```
.logo img{
        padding-top: 12px;
        float: left;
        width: 50px;
        height:50px;
}

section{
width:100%;
height:100vh;
float:left;
position: relative;
}
#Home{

}
#banner{
        background-image:url(../enpic2.jpg);
        background-size: cover;
        background-position: center;
        height: 99vh;
}

/*button and Envid*/
.tt h1{
        position:absolute;
        padding-left:70%;
        transform:translate(-50%,-50%);
        font-size: 49px;
        color:black;
}
.button{
        position:absolute;
        padding-top: 270px;
        top:60%;
        left:85%;
        transform:translate(-50%,-50%);
}
```

```
.btn{
        border: 1px solid #000;
        padding: 10px 30px;
        color: #000;
        text-decoration: none;
   transition:0.6s ease;
}
.btn:hover{
        background-color: #fff;
        color:  #000;
}
/*--Covid-19--*/
#intro{
        background-color:#DAEEEE;
}
section{
        min-height: 100vh;
        width: 100%;
        display: flex;
        align-items: center;
        justify-content: center;
        background-color: #fddcc356;
}
.container{
        width: 90%;
        margin: 0 auto;
        display: flex;
        align-itme: center;
        justify-content: center;

}


.left{
        width: 500px;
        height: 500px;
        transform: translate(0% 10%);
        background-image:url(../covid19.jpg);
        border-radius: 8px;
}
```

```
.right{
        width: 50%;
        min-height: 350px;
        background-color: #008B8B;
        color: #cafaea;
        display: flex;
        align-item: center;
        justify-content: center;
        padding: 80px;
        border-radius: 8px;

}
.right h1{
        position:absolute;
        top:25%;
        left:70%;
        color: #fff;
        font-size: 25px;
        transform:translate(-50%,-70%);
        font-weight: lighter;
}
.right p{
        top:25%;
        left:70%;
        transform:translate(0%,8%);
        margin: 20px 0;
        font-weight: 500;
        font-size: 20px;
        line-height: 25px;
}
```

ENVIRONMENT

Coding:

```
<section id="Environment">
<div class="leftt">
<div class="containerr">
<p>As the COVID-19 pandemic increased exponentially across the globe threatening
lives and uprooting the economy of cities and nations, it also had a major impact on the environment.
In a matter of a few months, the world has transformed its way of living. As Work from Home becomes the new norm, 23% of carbon emissions have dropped globally just because of a decrease in transportation. But that's not all! Here are few other positive as well as negative impacts the COVID-19 pandemic has brought to the environment</p>
</div>
</div>
<div class="rightt">
</div>
</section>
```

CSS:

```
/*--Environment--*/
#Environment{
background-color:#DAEEEE;
}
section #Environment{
        min-height: 100vh;
        width: 100%;
        display: flex;
        align-items: center;
        justify-content: center;
        background-color: #DAEEEE;
}
.containerr{
        width: 90%;
```

```
        margin: 0 auto;
        display: flex;
        align-itme: center;
        justify-content: center;
}

.containerr h1{
position:absolute;
top:20%;
left:70%;
transform:translate(-50%,-50%);
color: white;
}
.rightt{
        width: 500px;
        height: 420px;
        transform: translate(2% 0%);
        background-image:url(../beforeafterr.gif);
        border-radius: 8px;

}
.leftt{

        height: 350px;
        width: 650px;
        color: #cafaea;
        background-color:#008B8B;
        display: flex;
        align-item: center;
        justify-content: center;
        padding: 80px;
        border-radius: 8px;

}
.leftt p{
        font-size:20px ;
}
```

WILDLIFE

Coding:

```
<section id="Wildlife">
<div class="text-box1">
<h1><br>        HOW
COVID-19 PANDEMIC HAS AFFECTED WILDLIFE!</h1><br>
<p>The COVID-19 pandemic has affected animals directly and indirectly. Human
impact on wildlife and animal habitats may be causing such spillover events to
become much more likely.While research is inconclusive, pet owners reported that
their animals contributed to better mental health and lower loneliness during
COVID-19 lockdowns.However, this could have adverse effects on pet
animals..<br>
<div class="head">
<h1><br>         &
emsp;      The pandemic and
wildlife</h1>
</div>
          &e
msp;          
;          &e
msp;          
;          &e
msp;          
;The COVID-19 pandemic is believed to have originated in a wildlife market in
Wuhan, China.The current pandemic is far from the only public health crisis traced
back to wild animals.<br>
Pollution levels have decreased, public spaces are lying deserted and reduced
human encounters have in turn given urban wildlife an opportunity to venture
beyond their usual territory.<br>
All around the world, there have been reported incidents of animals venturing into
cities as people have started confining themselves to the safety of their homes in an
effort to control the spread of Coronavirus. Quarantine is affecting wildlife in
unexpected ways.<br>
In countries like India,monkeys and several other wildlife species are very much
adapted to urban environments and are heavily dependent on human generated
food waste to survive. All things considered, the idea that wildlife populations will
reclaim urban environments during this lockdown period seems quite far-fetched
```

as animals have always been part of our surroundings. In fact, this brings up a more pertinent question— what will become of the animals once this pandemic is contained and humans return to their turf ? Do we continue on as we have so far or do we see this pandemic as humanity's wake up call?

</section>
<section id="an1">

<iframe width="900" height="500"
src="https://www.youtube.com/embed/MhhAox6Zei8" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>
</section>
<section id="an2">

<h1>
            Elephants Freed from Tourist Labour</h1>

The global tourism industry has been one of the worst hit during this crisis due to travel restrictions and many countries shutting off their borders. This has brought some much deserved relief to the elephants in countries like Thailand and India which are popular for elephant joyrides for tourists. Majority of the elephants that are commercially exploited are blind, lame, elderly and sick elephants who are forced to take tourists on their backs on scorching hot surfaces.Sadly, the tourists are kept unaware of the true health condition of the elephant.

<img src="elephant.jpg" width="80%" height="100%" >

However, this situation is potentially a double-edged sword. While the elephants have been temporary freed from the shackles of unethical wildlife tourism, there is another uncertainty that lurks around the future of these elephants. Lack of a steady income flow for the elephant owners coupled with limited resources of sustenance and veterinary care is also impacting the elephants' survival. In India, the state governments are making necessary arrangements by providing monetary support to elephant owners, the situation in countries like Thailand remains grim and filled with uncertainties.
</section>
<section id="an3">

<h1>
           RESEARCH ON ANIMALS AND COVID-19</h1>

<p>
Many studies have been done to learn more about how this virus can affect different animals in some positive and negative ways.
● Recent experimental research shows that many mammals, including cats,dogs, bank voles, ferrets, fruit bats, hamsters, mink,pigs, rabbits, raccoon dogs, tree shrews, and white-tailed deer can be infected with the virus.

● Cats, ferrets, fruit bats, hamsters, racoon dogs, and white-tailed deer can also spread the infection to other animals of the same species in laboratory settings.

● Chickens and ducks do not seem to become infected or spread the infection based on results from studies. Wildlife benefited from reduced air and noise pollution as industry, natural resource extraction, and manufacturing declined.

<img src="dogcat.gif" width="30%" height="30%">

There was less litter found on beaches and in parks, and beach closures in some areas left the shoreline to wildlife.But there were also many downsides to the lack of humans. Lockdowns disrupted conservation enforcement and research efforts, and in many places illegal hunting and fishing increased as poor, desperate people looked for ways to compensate for lost income or food.Parks that were open to visitors were inundated by abnormally large crowds. And in many places, hikers expanded trails, destroyed habitats, and even trampled endangered plants.The researchers estimate that delays to invasive species control programs caused by lockdowns will have a huge impact.
Below is the link where a Positive impact has been shown due to lockdown!

<p>
 Click-here

</section>

CSS:

```
/*--animals--*/
#Wildlife{
background-color:#DAEEEE;
color: #cafaea;
}
#Wildlife h1{
        color: white;
}
```

```
#an1{
        background-color:#DFEEEA;

}
#iframe{
        top: 20%;
        left:50%;
        transform:translate(0%,-60%);
        background-color:#008B8B ;
}
.text-box1{
        background-color: #008B8B;
        color: #cafaea;
        width: 95%;
        height: 85%;
        padding-left: 80px;
        padding-right: 80px;
        padding-top: 10px;
        border-radius: 8px;
        font-size: 20px;
}
.text-box1 h1{
        color: white;
        font-size: 25px;
}
#an2{
        background-color:#DFEEEA;
}
.text-box3{
        background-color: #008B8B;
        color: #cafaea;
        width: 95%;
        height: 88%;
        padding-left: 80px;
        padding-right: 80px;
        border-radius: 8px;
        font-size: 20px;
}
.text-box3 h1{
```

```
 color: white;
}
.image{

        padding-left: 100px;

}
#an3{
        background-color:#DFEEEA;
}
.btnn{
        border: 1px solid #fff;
        top:10%;
        left:50%;
        transform:translate(10%,10%);
        color: #fff;
        text-decoration: none;
    transition:0.6s ease;
}
.btnn:hover{
        background-color: #fff;
        color:  #000;
}
.text-box4{
        background-color: #008B8B;
        color: #cafaea;
        width: 95%;
        height: 100%;
        padding-left: 80px;
        padding-right: 80px;
        border-radius: 8px;
        font-size: 20px;
}
.image2{
        padding-left: 20px;

}
.text-box4 h1{
        color: white;
}
```

POLLUTION

Coding:

```
<section id="Pollution">
<div class="text-box5">
<h1>       COVID-19 lockdowns had strange effects on air pollution across the globe.</h1>
<p><br>● The restrictions have sent financial markets into free fall. But they have also given residents in some of the world's most polluted  cities something they have not experienced in years .i.e'Clean Air'!<br>● Satellite observations record information on aerosols in the atmosphere.NASA's model is then able to provide estimates of the distribution of these pollutants close to the Earth's surface.</p><img src="polln.gif" width="36%" height="36%"><h1>                     INDIA</h1>
<p><br>Every winter, New Delhi and other big cities in the north are enveloped in a blanket of smog as farmers burn crop residue. The air tends to clear a little in spring.However, in the first few months of this year, India experienced a significant decline in some pollutants. The lockdown imposed by Prime Minister Narendra Modi on the country's 1.3 billion people could be a major contributing factor. Air pollution levels are often influenced by local meteorology, like temperature or wind speed. Several early analyses are showing declines in air pollution in regions where shutdowns have taken place.</p>
</div>
</section>
<section id="pollution1">
<div class="text-box6">
<h2>Lockdown effect: Ganga water fit for drinking after decades</h2>
<p> Amid the nationwide lockdown to contain the spread of the Covid-19 outbreak,the water quality <br>of river Ganga at Har-ki-Pauriin the holy city of Haridwar has been classified as "fit for drinking" an unprecedented success which the ambitious schemes of the government could not do for years even after pumping thousands of crores.
<br>Hundreds of people used to come to take a holy dip in Haridwar every day and during the auspicious days, the numbers used to swell to thousands.<br>Since the lockdown has come into effect people cannot come here. The other factor for improvement in the water quality is the melting snow which is merging into the river,According to the Uttar Pradesh Pollution Control Board(UPPCB), healthy water should have a dissolved oxygen level of at least 7 mg/litre. The dissolved
```

oxygen level upstream in river Ganga is 8.9 mg per litre while in the downstream it is 8.3 mg per litre.
This clearly shows that water quality has improved significantly and is optimal for bathing.

</section>
<section id="pollution2">

<img src="ganga2.jpg" width="100%" height="180%">

In Kanpur as well, the Ganga has become cleaner since the lockdown has come into effect.The major cause of water pollution in Kanpur is the toxic industrial waste which is discharged into the river.Since all the factories are closed due to the lockdown,the Ganga river has become cleaner.
The priests at the temple earlier used to refrain from taking a holy dip because the water was highly contaminated.

However, since the past week, we are bathing in the river.We have seen the environment around us rejuvenate during the lockdown and animals at places where we would normally not expect them to be at.
Not only have air pollution levels come down, but the water quality of the polluted rivers has also improved in India.
It has been reported that the quality of water in River Ganga has improved during the lockdown period as humans stay in quarantine, keeping the Ganga Ghats deserted.
Clean rivers and healthy aquatic life symbolize that the ecosystem is functioning well.
The Ganga River has shown signs of rejuvenation and a significant improvement on many parameters, following the eight-week nationwide lockdown due to coronavirus pandemic.. Further, data analysis of live storages in the Ganga Basin revealed that the storage during the beginning of the third phase of lockdown was almost double than the storage during the same period the previous year.

</section>

CSS:

```
/*--Polluction--*/

#Pollution{
background-color:#DFEEEA;
}
.text-box5 h1{
padding-top: 10px;
font-size: 25px;
color: white;
}

.text-box5{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 88%;
padding-left: 80px;
padding-right: 80px;
padding-top: 20px;
border-radius: 8px;
font-size: 20px;
}
.text-box5 img{
padding-left: 60px;

}
#pollution1
{
background-color:#DFEEEA;
width:100%;
height:100vh;
}
.text-box6{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 69%;
padding-left: 80px;
padding-right: 80px;
padding-top: 20px;
border-radius: 8px;
font-size: 20px;
}
.text-box6 h2{
```

```
color: white;
}
.image4{
width: 500px;
height: 420px;
transform: translate(2% 0%);
background-image:url(../pollution.jpg);
border-radius: 8px;

}

#pollution2
{
background-color:#DFEEEA;
}
.text-box7{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 70%;
padding-left: 40px;
padding-right: 40px;
padding-top: 20px;
border-radius: 8px;
font-size: 20px;
}
.image6{

border-radius: 8px;

}
```

CLIMATE

Coding:

```
<section id="Climate">
<div class="text-box8">
<h1>                 Climate</h1><br>
<p>COVID-19 is affecting the lives of millions of people and, also, the environment. Scientists have confirmed that air quality in certain regions has improved in recent weeks. As industries, aviation, and other means of transportation stop, air pollution is reduced countries severely affected by the virus, such as China, Italy, and Spain. A reduction in commuting due to work from home policies has also played its part in reducing carbon emissions.<br>
<br>In the long term, the COVID-19 pandemic will offer lessons and opportunities leading to environmental action. For instance, we will have a new baseline of what can be achieved digitally: remote work, education, shopping, and more. In addition, as our governments, private institutions, and even social media succeed in partnering, we will possibly feel more capable of tackling other pressing issues such as climate change. This public health crisis may serve as a turning point for another well-known crisis that, even though it may be perceived as slow, has the potential of significantly impacting humanity. Clearly, human beings are part of nature and all activity that impacts the environment also impacts us. <br><br>
It is safe to say that no one wanted carbon emissions to be reduced this way. COVID-19 has a dark cost to our lives, healthcare systems, and mental health of people around the world. Nevertheless, it has also shown that communities can make a difference when they take care of each other, and this could be an invaluable lesson when we face climate change.</p>
</div>
</section>
<section id="Cli">
<div class="text-box9">
<h1>         Has the COVID-19 lockdown changed Earth’s climate?</h1>
<p>The lockdown measures imposed by many nations due to the COVID-19 pandemic have led to air pollution falling dramatically, thereby offering scientists a rare opportunity to study its links with climate and weather. But as Kate Ravilious discovers, it’s a complicated connection COVID-19 has changed the world.
<br>The pandemic has caused devastation, pain and loss, with no corner of the globe untouched. But for some scientists the unprecedented disruption has also brought about a previously unimaginable opportunity. The dramatic fall in air pollution that accompanied countries going into lockdown has provided a unique natural experiment, enabling scientists to probe some of the long-standing mysteries surrounding cloud formation. In doing so, they have gained a better understanding of the complicated interactions between air pollution, weather and climate.<br>
<img src="climate.jpg" width="25%" health="25%">
<br>Stringent lockdown measures were first introduced in Wuhan, China – where COVID-19 was initially identified – on 23 January 2020, and quickly rippled out across the rest of the country to combat the spread of the SARS-CoV-2 virus. With public transport shut down, schools, universities and workplaces closed, and people confined to their homes, the streets became silent and air pollution plummeted.<br>
```

Cleaner air doesn’t necessarily result in wall-to-wall blue skies. Just as a small amount of sugar or salt can make a cake taste very different, so small changes in the composition of the atmosphere can trigger a chain reaction of interesting atmospheric effects: concocting new chemicals, making or breaking up clouds, and potentially changing the weather at the surface. But teasing out those changes, against the background of natural climate variability, is difficult.

</section>
<section id="cli">

The COVID-19 pandemic is not a solution for climate change. However, it does provide us with a platform for more sustained and ambitious climate action to reduce emissions to net zero through a complete transformation of our industrial, energy and transport systems.

The Global Carbon Project estimated that during the most intense period of the shutdown, daily CO2 emissions may have been reduced by up to 17% globally due to the confinement of the population. As the duration and severity of confinement measures remain unclear, the prediction of the total annual emission reduction over 2020 is very uncertain.

The pandemic made us think on our feet about how to get around some of the difficulties of monitoring greenhouse gas emissions, and CO_2 in particular, in real time. When many lockdowns were beginning in March 2020, the next comprehensive Global Carbon Budget setting out the year’s emissions trends was not due until the end of the year. So climate scientists set about looking for other data that might indicate how CO_2 was changing.

The temporary halt to normal life we have now seen with successive lockdowns is not only not enough to stop climate change, it is also not sustainable: like climate change, COVID-19 has hit the most vulnerable the hardest. We need to find ways to reduce emissions without the economic and social impacts of lockdowns, and find solutions that also promote health, welfare and equity. Widespread climate ambition and action by individuals, institutions and businesses is still vital, but it must be underpinned and supported by structural economic change.

</section>

CSS:

```
/*--Climant--*/

#Climate{
background-color:#DFEEEA;
}
.text-box8{

background-image:url(../health4_26_airpollguide_istock_2796602_2400.jpg);
background-size: cover;
background-position: center;
height: 80vh;
color: #cafaea;
```

```
width: 95%;
height: 90%;
padding: 80px;
border-radius: 8px;
font-size: 20px;
}
.text-box8 h1{
color: white;
}
#Cli{
background-color:#DFEEEA;
}
.text-box9{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 88%;
padding-left: 80px;
padding-right: 80px;
padding-top: 20px;
border-radius: 8px;
font-size: 20px;
}
h1{
color: white;
}
#cli{
background-color:#DFEEEA;
}
.text-box10{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 70%;
padding-left: 80px;
padding-right: 80px;
padding-top: 20px;
border-radius: 8px;
font-size: 20px;
}
```

WASTE-MANAGEMENT

Coding:

```
<section id="Waste-Management">
<div class="text-box11">
<h1>             Waste Management</h1>
<p>In Urban systems, solid waste is generated on a day-to -day basis and needs to be administered daily. Solid waste management is an essential practice adopted by the local authorities to maintain hygienic surroundings in residential areas.
The role of these local bodies becomes much more critical in natural disasters such as hurricanes, earthquakes, floods, pandemics, etc.During the pandemic, there is a drastic change in the nature of waste generated. PPE, masks, hand sanitizers are now part of daily lives, and the waste generated from it has added a voluminous load to waste treatment systems. Waste generation is also influenced by the lockdown and work from home by most of the population to avoid disease transmission.
The hazardous medical waste generation exceeded the treatment capacity of existing facilities. The use of single-use plastic, PPE (Personal protective equipment), etc. has added unprecedented load to the waste treatment facilities, given that working staff availability is low to maintain the safety norms. Due to this, it is evident that the waste management practice will be derailed from the regular operations of waste collection and recycling at a global level. Due to sudden increase in positive cases against the existing medical facilities, the moderately symptomatic or asymptomatic are recommended home quarantine. At home quarantine, the used tissues, body fluids, PPEs, etc. need to be disposed attentively such that it’s not a vector of infection for other family members and waste collectors.Poor solid waste handling may be a vital contributor to the spread of disease.<br>
<h1>             Waste generation scenario</h1>
Due to pandemic, there is a paradigm shift in the form of waste generated, e.g., a sudden increase in the number and amount of plastic wastes used in food packaging or one-time use personal protective equipment (PPE) such as masks, gloves, respirators, syringes, etc.<br>
```

The reduction in fossil fuel cost and suspicion over the purity of recyclables are other factors responsible for the plunge in use of single-use plastics. Currently, the demand for PPE has reached crisis mode, where the reuse of masks is not recommended due to the high chances of viral retention. To prevent the aerial transmission of the virus, every individual has to wear a face mask that has added to the waste load . To minimize the spread of the virus, restaurants and café are not allowing personal or reusable containers instead using the one-time-use packaging materials. On the other hand, during lockdown due to restricted travel, work from home, increased online shopping, and higher food consumption at home have contributed tremendously to household waste.

During the pandemic, the number of patients admitted in the hospitals is much more than usual, testing of COVID- 19, etc. has increased the hospital and lab wastes many folds . The waste generated is very hazardous due to high transmissivity and needs to be administered daily to prevent stacking.

</section>
<section id="Waste-Management1">

<h1>   Effect on Waste Receiving and Recycling</h1>
According to the world bank classification, the low-income countries mostly generate wet waste dumped openly, and only 20% of total waste goes for recycling.comparison, this fraction is 51% for high-income countries, as most of the waste is recyclable and has better waste management. At the moment of the pandemic,all the nations suffer from the lack of returns and proper functioning of recycling facilities due to employees' lean attendance at work.
<h1>   Waste Management Plan</h1>
To handle the waste generated from household, streets, quarantine centers or hospitals, it is necessary to understand the lifecycle of virus, transmission, and control pathways.The lifespan of the virus also varies for different surfaces, known as fomites (objects or materials that are likely to carry infection, such as clothes, utensils, and furniture etc) and mostly, the virus stays on the smooth surfaces for a longer duration.
<img src="WM3.jpg" width="30%" height="30%">
The waste collection systems with a compaction system may also release the aerosols with the virus if the household waste is collected from the residence of home quarantined patients. Biomedical waste has a range of waste such as human and animal anatomical waste,contaminated blood, swabs, expired medicines, syringes,

glassware, discarded mattresses, etc. that may contain various infections virus and hazardous materials

</section>
<section id="Waste-Management2">

Several disinfectants are used to eliminate the vector of disease while handling the waste. Some of the commonly used disinfectants are alcohol, chlorine, hydrogen peroxide, iodophors, phenolics, etc.
The Association of Cities and Regions for Sustainable Resource Management (ACR+) has given separate protocols for waste collection for frontline waste workers' safety to collect waste from houses with COVID- 19 patient and quarantine facilities. This waste is source segregated and sent directly to the incinerators or landfills
The Central pollution control board (CPCB), India, has altered the waste disposal rules for biomedical waste during COVID- 19 for infected debris. The waste from isolation wards needs to be labeled as "COVID- 19 waste" such that the Common Biomedical Waste Treatment Facility (CBWTF) can handle it separately. Whatever container stores the COVID-19 waste has to be disinfected by the 1% sodium hypochlorite solution daily.
The waste should be disposed of in black dustbins (for mixed municipal waste containers) to avoid littering and thoroughly wash hands after disposal.
Due to the low availability of waste management staff (<70%), it is necessary to adopt a degraded mode of waste collection. Instead of stopping at every house to collect the waste, it can be collected from several complexes to a common place. It will minimize close contact during waste collection.
International Solid Waste Association (ISWA) has covered three overall goals to manage the waste during COVID-19 pandemic. The waste management practices should not be compromised anywhere in the world. The health of waste management workers should not suffer and be well equipped with protective gear to ensure safety. The recycling activity needs to be re-iterated to avoid infection or cross-contamination. The biomedical waste should be safely disposed of such that it 'doesn't generate secondary pollutants or infection.
It has also provided guidelines (temporary) for the municipal waste service provider, generators-the citizens, COVID positive patients, and recycling companies and operators.
For municipal waste service providers: The collection of mixed recyclables should be discontinued, and manual handling should replace mixed mechanical-manual handling systems. The expansion of storage facilities can help maintain a safe

waiting period before handling the recyclables by the professionals to avoid the layoff of services.
For generators-the Citizens: The recyclables should be separated at the source. The recyclables can be stored in paper bags (residence time of virus on paper: 24h) as the plastic packaging retains the virus for a longer duration.
The package can be stored for a minimum of three days before giving it for collection. If a plastic bag is used for storage, it should be in other plastic containers with the date of mentioning it to the recycling center.
For COVID positive patients: The waste should be doubly packed in disposable plastic bags and disinfected.
For Recycling companies and operators: Increase the capacity of waste storage facility such that the storage duration can be increased before manual handling of waste. </p>

</section>

CSS:

```
#Waste-Management{
background-color:#DFEEEA;
}
.text-box11{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 99%;
padding-left: 60px;
padding-right: 60px;
padding-top: 20px;
border-radius: 8px;
font-size: 20px;
}
#Waste-Management1{
background-color:#DFEEEA;
}
.text-box12{
background-color: #008B8B;
color: #cafaea;
width: 95%;
height: 95%;
```

```
padding-left: 80px;
padding-right: 80px;
padding-top: 20px;
font-size: 20px;
}
.text-box12 p{
padding: 2%;
}
#Waste-Management2{
background-color:#DFEEEA;
}
.text-box13{
background-color: #008B8B;
width: 95%;
color: #cafaea;
height: 92%;
display: flex;
align-item: center;
justify-content: center;
padding-left: 80px;
padding-right: 80px;
min-height: 350px;
font-size: 19px;
}
```

NEWS

Coding:

```
<section id="News">
<div class="text-box14">
<h1><br>                         NEWS
<br>     FOLLOWING ARE THE LINKS FOR NEWS UPDATS :
<p><br>     <a href="https://www.news18.com/news/lifestyle/world-environment-day-2021-a-look-at-the-impact-of-covid-19-on-nature-3804050.html" target="_blank" class="btn">1.Impact on Nature.</a><br>
<br>     <a href="https://www.theweek.in/news/sci-tech/2021/06/12/researchers-question-claims-of-seeing-himalayan-peaks-from-plain.html" target="_blank" class="btn">2.Peaks becoming visible from hundreds of kilometers away</a><br>
<br>     <a href="https://www.youtube.com/watch?v=dBuIDw921Yg" target="_blank" class="btn">3.Ganga looks less polluted and cleaner amid lockdown.</a><br>
<br>     <a href="https://www.grainmart.in/news/covid-crisis-and-the-environment-how-did-the-lockdown-affect-the-environment/" target="_blank" class="btn">4.How did the Lockdown Affect the Environment?.</a><br>
<br>     <a href="https://www.youtube.com/watch?v=kYufJ22vsRY" target="_blank" class="btn">5.COVID-19 lockdown's positive impact on environment .</a><br>
<br>     <a href="https://youtu.be/7t4sGK8yxYA" target="_blank" class="btn">6.Nasa Image show air pollution drop in India after lockdown</a><br>
<br>     <a href="https://youtu.be/_DSLP95CR2k" target="_blank" class="btn">7.Impact on animals</a></h1></p>
</div>
</section>
```

CSS:

```
#News{
        background-color:#DFEEEA;
}
.text-box14{
        background-color: #008B8B;
        width: 95%;
        height: 90%;
}
```

ABOUT-US

Coding:

```
<section id="About Us">
<div class="text-box15">
<h1>                    About Us</h1>
<p>Envid is an informative website .
Envid Was Created with a view of making people aware about the environment that how much pollution is affecting the environment.And also to give knowledge about what were the impacts of Corona virus pandemic on wildlife and nature.Envid helps in providing information regarding effects on environmet due to Covid-19, its
implications and potential future riska, as well as to put forward adaptaion and mitigation options.
<br><br>LETS NUTURE THE NATURE SO THAT WE CAN HAVE A BETTER FUTURE .</p>
</div>
</section>
<footer>
<div class="footer_info">
<br>
<div class="footer_width about">
<h2>About</h2>
<p>Envid Was Created with a view of making people aware about the environment that how much pollution is affecting the environment.And also to give knowledge about what were the impacts of Corona virus pandemic on wildlife
```

```
and nature.Envid helps in providing information regarding effects on environmet due to Covid-19, its implications and potential future riska, as well as to put forward adaptaion and mitigation options.</p>


<div class="Socal-media">
<ul>
<li><a href="#"><img src="https://img.icons8.com/fluent/48/000000/facebook-new.png"/></a></li>
<li><a href="#"><img src="instagram.png" width="10%" height="10%"></a></li>
</ul>
</div>
</div>



<div class="footer_width link">
<h2>Quick Link</h2>
<ul>
<li><a href="#">Home</a></li>
<li><a href="#">Environment</a></li>
<li><a href="#">Wildlife</a></li>
<li><a href="#">Pollution</a></li>
<li><a href="#">Climate</a></li>
<li><a href="#">Waste Managemnet</a></li>
<li><a href="#">News</a></li>
</ul>
</div>
<div class="footer_width Contact">
<h2>Contact</h2>
<ul>
<li>
<span><i class="fas fa-map-marker-alt"></i></span>
<a href="#">49 Groud Floor, Sadiqabad Colony, Mankapur, Nagpur</a>
</li>
<li>
<span><i class="far fa-envelope"></i></span>
<a href="#">shreyaroa0712@gmail.com</a>
</li>
```

```
<li>
<span><i class="fas fa-phone-volume"></i> </span>
<a href="#">+918600105515</a>
</li>
</ul>
</div>
</footer>

</body>
</html>
```

CSS:

```
#About Us{
}
.text-box15{
        background-image:url(../aboutus.jpg);
        background-size: cover;
        background-position: center;
        height: 100vh;
}
.text-box15 h1{

        padding-top: 80px;
        padding-left: 80px;
        padding-right: 80px;
        color: white;
}
.text-box15 p{
        color: white;
        padding: 80px;
        font-size: 20px;
}
/--footer--/
a{
        text-decoration: none;
        transition: .5;
        color: #fff;
}
footer{
```

```
        background-color:#008b8b;
        color: #fff;
}
ul ,li{
        list-style-type: none;
}
.footer_info{
        width: 90%;
        margin: 0 auto;
        display: flex;

        padding: 50px 0;
}
.footer_info, .footer_width{
        padding: 0 15px;

}
.footer_info h2{
        margin-bottom: 20px;
}
.about , .contact{
        width: 40%;
}
.link{
        width: 20%;
}
.social-media{
        margin-top: 30px;
}
.social-media ul{
        display: flex;
}
.social-media ul li a{
        display: inline-block;
        margin-right: 50px;
        width: 50px;
        height: 50px;
        padding-top: 12px;
        background-color: transparent;
        border:1px solid #fff ;
```

```
        text-align: center;
}
.link ul li a {
        margin-bottom: 15px;
        display: block;
        font-size: 18px;

}
.link ul li a:hover{
        color: #000;
}

.contact ul li{
        display: flex;
        align-items: center;
        margin-right: 15px;
}
.contact ul li span{
        margin-right: 15px;
}
```

TESTING AND VALIDATION CHECKS

TESTING:

Software testing must be planned carefully to avoid wasting development time and resources.

Initially individual components are tested and debugged. After the individual components have been tested and added to the system, integration testing take place. Once the full software product is completed, system testing is performed.

Software testing is process of executing a program or application with the intent of finding the software bugs. It can also be stated as the process of validating and verifying that a software program or application or product that meet the business and technical requirements that guided its design and development.

VALIDATION: Validation is determining if the system complies with the requirements and performs functions for which it is intended and meets the organization's goals and user needs. Validation is done at the end of the development process and takes place after **verifications** are completed.

It answers the question like: **Am I building the right product?**Am I accessing the right data (in terms of the data required to satisfy the requirement).

It is a High level activity.

Performed after a work product is produced against established criteria ensuring that the product integrates correctly into the environment.

Determination of correctness of the final software product by a development project with respect to the user needs and requirements.

IMPLEMENTATION , EVALUATION AND MAINTENANCE

IMPLEMENTATION, EVALUATION AND MAINTENANCE

IMPLEMENTATION:

Implementation means the process of converting a new or revised system designed into an operational one. It is very crucial process of system development life cycle for successful implementation of new system design.

Implementation is a process of ensuring that the information system is operational. It involves −

- Constructing a new system from scratch
- Constructing a new system from the existing one.

Implementation allows the users to take over its operation for use and evaluation. It involves training the users to handle the system and plan for a smooth conversion.

The system implementation involves the conversion of design into the actual system. The system

implementation stands for the conversion is of three types:

System conversion of manual system into computerized system in the way to understand By the User of the project made by me is being access very easily.

Conversion of existing computerized system into modified version of hardware this is the stage where hardware and

software both are checked by me better performance of running project made by me.

Keeping the hardware and implementing the new techniques is the where we checked other hardware i.e. RAM HARDISC for better performance of the running project is going to implementation of manual system into computerized system, which is very easy to handle and very valuable in today's world In this project all types of implementation used for conversion of manual system into computerized system. This project is going to implement the manual system into computerized system, which is very easy to handle and save time and is very valuable in today's world. Therefore, each user can access or search this website very easily by using this computerized system which is converted from manual system. Manual system is the system of reading other books journals and converting this manual system into the coding of an html using such language make the website easy to handle for the user in a computerized system.

EVALUATION:

After the implementation stage, another important stage is project development is evaluation. After keeping the project in the working condition for some time, all the errors that are show in the computer program should be removed.

Evaluation is included as part of this final phase of the SDLC. Actually, evaluation takes place during every phase. A key criterion that must be satisfied is whether the intended users are indeed using the system.

It should be noted that systems work is often cyclical. When an analyst finishes one phase of systems development and proceeds to the next, the discovery of a problem may force the analyst to return to the previous phase and modify the work done there.

The programmer needs to correct them so that the same errors should not be repeated. After evaluating the program and satisfying the needs of the user the program is maintained fully to give the same functionally for what is was intended to be this stage should be implemented so as to regular check-up of errors with error/handling techniques. This stage is updating and correcting of the program w account tor changing conditions or field experience. The evaluation MINESS includes the study of the existing system their drawbacks and the various option to improve the system. The concentration should be on the

satisfying the primary requirement of the user, the system is evaluated on the basis of:

- System availability
- Compatibility
- Correcting errors
- Resolving necessary changes.
- Specification changes.
- Enhances or modifying the system maintenance.

MAINTENANCE:

Maintenance is performed for two reasons. The first of these is to correct software errors. No matter how thoroughly the system is tested, bugs or errors creep into computer programs. Bugs in commercial PC software are often documented as "known anomalies," and are corrected when new versions of the software are released or in an interim release. In custom software (also called bespoke software), bugs must be corrected as they are detected.

The project needs maintenance in future if any enhancements are made, maintenance of the hardware and software is also required for maintaining such software.

There are following types of maintenance:

a. **Corrective Maintenance:** Identifying and repairing defects, It means repairing processing or performance failures or making

changes because of previously uncorrected problems or false assumptions.

b. **Adaptive Maintenance:** It means changing the program to the new platforms.
c. **Perfective Maintenance:** Implementing the new requirements i.e., enhancing the performance or modifying the programs to respond to the user's additional or changing needs of these types more time and money are spent on perfection.

Maintenance is performed for two reasons. The first of these is to correct software error. No matter how thoroughly the system is tested, bugs, or errors deep into the computer program. The total cost of maintenance is likely to exceed system of development. At certain point it becomes more feasible to perform a new information system. After the System is installed, maintenance is done.

FUTURE SCOPE OF PROJECT

The Scope of Project of Envid are as follows:

1. **Data Analysis:** Users can access the information according to their needs. Through this website people can discover useful information directly and access the information in a easy way and at anytime.

2. **Promotes awareness about Environment:** After going through our website many people may get aware about the environmental problems and conversations.

3. **Gain Knowledge:** Users will gain enough idea about the impacts on Environment due to pandemic. Like what were the changes seen if there is no pollution at all.

4. **Track The Effects Of Climate: T**hrough this website people will also be able to get information

regarding climate.

5. **Importance:** This website covers wide area like i) Conservation of natural resources, ii) ecological aspects, iii) pollution of the surrounding natural resources, iv) controlling the pollution.

6. **Helps in Wildlife Conservation:** After going through the website people may take measures to protect the animals.

7. **Sustainable Environment Management:**It is assumed that, all of these environmental consequences are short-term. So, it is high time to make a proper strategy for long-term benefit, as well as sustainable environmental management.

8. **Future Perspection:** Through this information people will realize importance of nature balance and how important is our natural resources to safeguard for the future generation.

CONCLUSION

Conclusion:

ENVID is an informative website which provides information regarding impacts on environment due to Covid-19 pandemic. According to the current situation, the pandemic is expected to prevail beyond the year 2025. The COVID-19 pandemic erupted as a very sudden occurrence in millions of lives. To keep a check on the number of patients, the lockdown and interruption of international travel were imposed by different countries. The high transmissivity of the virus increased the number of patients at unprecedented rates. Industrial and daily activities faced abrupt termination, affected product manufacturing that led to the layoff of several employees and changed the waste generation and collection trends. This Website helps in enriching the theoretical research on economic and environmental pollution in the context of extreme events.

The COVID-19 outbreak in 2020 is an extreme event and a global emergency public health event. The systematic analysis of the relationship between economic growth and environmental pollution during the outbreak can not only provide a reference for other countries to assess the impact of COVID-19 on the environment, but also enrich the theoretical research on the relationship between economy and pollution from an emergency-economy-environment perspective. Locking down in homes and social distancing is the only preventive step that the entire country is following. But as the human activities are restricted in most of the areas, the natural environment of country has started healing itself. Factories, transport, vehicles and aviation have all ground to a halt. Carbon emissions have decreased and the quality of air has seen an unprecedented improvement.

BIBLIOGRAPHY & REFERENCE

BOOKS:

WEB TECHNOLOGY(INTERNET,HTML,DHTML&CSS)

HTML5 And CSS

WEBSITES:

https://www.w3schools.com

https://www.google.com

https://www.youtube.com

APPROVED COPY OF SYNOPSIS

A
Project Synopsis
On

"Envid"

Submitted to

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
AUTONOMOUS
In the Partial Fulfillment of

B.Com. (Computer Application) Final Year

Synopsis Submitted by
Tanushri Rathod
Thota Shreya Rao

Under the Guidance of
Pravin J. Yadao

G. S. COLLEGE OF COMMERCE & ECONOMICS, NAGPUR
AUTONOMOUS

2020-2021

1. Introduction: (Write 4 to 5 lines)

The global disruption caused by the COVID-19 has brought about several effects on the environment and climate. Due to movement restriction and a significant slowdown of social and economic activities, air quality has improved in many cities with a reduction in water pollution in different parts of the world.

The proposed project **"ENVID"** has been developed to know the factual position of environmental effects through this website . Technology plays an important role and is part of every field , using this technology we are trying to mobilize all information pertaining to effect of Environment before and after covid-19. This website is specially designed to monitor the different stages of Covid-19 effects on Environment and thereafter.

2. Objectives of the project: (Write only 5 points)

- People those who are interested in covid-19 pandemic situation within and whole world can monitor perfect situation , facts and figures at their finger point.
- Our main objective is to bring all the information regarding Environmental effects before and after covid-19.
- This website will be helpful in bringing information regarding environmental effects and solutions for the same to maintain after covid-19 situation prevailed .

3. Project Category: ____Website _____

4. Tools/ Platform/ Languages to be used:__PHP,HTML,CSS___

5. Scope of future application: (Write 4 to 5 points)

- Our attempt to develop this project "ENVID" will enhance all the affected categories due to covid-19 like water bays , air quality , temperature qualities, pollution and health etc.
- It is assumed that, all of these environmental consequences are short-term. So, it is high time to make a proper strategy for long-term benefit, as well as sustainable environmental management.
- Through this information people will realize importance of nature balance and how important is our natural resources to safeguard for the future generation.

Submitted by, **Approved by,**

Thota Shreya Rao

Tanushri Rathod **Prof. Pravin Yadao**

Name and Signature of the student **Project Guide**