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ABSTRACT

Background :-

COVID-19 outbreak was first reported in Wuhan, China and has spread to more than 50 countries. WHO declared COVID-19 as a Public Health Emergency of International Concern (PHEIC) on 30 January 2020.

Naturally, a rising infectious disease involves fast spreading; endangering the health of large numbers of people, and thus requires immediate actions to prevent the disease at the community level.

Therefore, CoronaTracker was born as the online platform that provides latest and reliable news development, as well as statistics and analysis on COVID-19. This paper is done by the research team in the CoronaTracker and aims to predict and forecast COVID-19 cases, deaths, and recoveries through predictive modelling.

The model helps to interpret patterns of public sentiment on disseminating related health information, and assess political and economic influence of the spread of the virus.

Methods :-

Real-time data query is done and visualized in our website, then the queried data is used for Susceptible-Exposed-Infectious-Recovered (SEIR) predictive modelling. We utilize SEIR modelling to forecast COVID-19 outbreak within and outside of China based on daily observations. We also analyze the queried news, and classify the news into negative and positive sentiments, to understand the influence of the news to people's behavior both politically and economically.

Conclusions :-

COVID-19 is still an unclear infectious disease, which means we can only obtain an accurate SEIR prediction after the outbreak ends. The outbreak spreads are largely influenced by each country's policy and social responsibility. As data transparency is crucial inside the government, it is also our responsibility not to spread unverified news and to remain calm in this situation. The CoronaTracker project has shown the importance of information dissemination that can help in improving response time, and help planning in advance to help reduce risk. Further studies need to be done to help contain the outbreak as soon as possible.

Keywords :-

COVID-19, data analysis, sentiment analysis, predictive modeling.

CHAPTER 1

INTRODUCTION

On 31 December 2019, the first reported case in the COVID-19 outbreak was reported in Wuhan, China. The first case outside of China was reported in Thailand on 13 January 2020. Since then, this ongoing outbreak has now spread to more than 50 other countries.

WHO declares COVID-19 outbreak as a Public Health Emergency of International Concern (PHEIC) by WHO on 30 January 2020. An infectious disease outbreak is the occurrence of a disease that is not usually expected in a particular community, geographical region, or time period. Typically, a rising infectious disease involves fast spreading, endangering the health of large numbers of people, and thus requires immediate action to prevent the disease at the community level. COVID-19 is caused by a new type of coronavirus which was previously named 2019-nCoV by the World Health Organization (WHO). It is the seventh member of the coronavirus family, together with MERS- nCoV and SARS-nCoV, that can spread to humans. The symptoms of the infection include fever, cough, shortness of breath, and diarrhea. In more severe cases, COVID-19 can cause pneumonia and even death. The incubation period of COVID-19 can last for 2 weeks or longer. During the period of latent infection, the disease may still be infectious.

The virus can spread from person to person through respiratory droplets and close contact. An 'infodemic' has accompanied the COVID-19 outbreak which is essentially an overabundance of information regarding the outbreak. As some of the information available to the public may not be accurate, it becomes hard for people to find reliable sources and trustworthy guidance when they need it. Because of the high demand for appropriate and trustworthy information about 2019-nCoV, WHO technical risk communication and social media teams have been working closely to track and respond to myths and rumors via its headquarters in Geneva, its six regional offices and its partners. The organization is working continuously to identify the most widespread rumors that can possibly harm the public's health, such as inaccurate prevention measures or claims of cures. These myths are then rebutted with evidence-based information.

WHO is making public health information and advice on the COVID-19, including myth busters, accessible on its social media channels (including Weibo, Twitter, Facebook, Instagram, LinkedIn, Pinterest) and on their website. Communication during emerging pandemics presents a distinctive public health education task. Health consumers must be informed about an impending health threat. However, there may be difficulties in providing accurate information regarding the outbreak in the initial stage. This is mainly related to the high degree of uncertainty about the exact route of transmission, treatment of the infections, and prospects of recovery in an outbreak. All countries need to prepare existing public health communication networks, media and community engagement staff for a possible case in their country, as well as for the appropriate response if it happens. The governments should coordinate communications with other response organizations and include the community in response operations.

WHO stands ready to coordinate with partners to support countries in their communication and response to community engagement. To ensure a people-centered response to COVID-19, an expanding group of global response organizations such as the United Nations Children's Fund (UNICEF) and the International Federation of Red Cross and Red Crescent Societies (IFRC) are coordinating efforts with WHO to apply biomedical recommendations at the community level.

These organizations are active at the global, regional and country level to ensure that affected populations have a voice and are part of the response. Ensuring that global recommendations and communication are tested and adapted to local contexts will help countries to gain better control over the COVID-19 outbreak.

Peoples' response to the news about a spreading contagious disease is likely to lead to increased anxiety and amplification of risk perceptions. Social media networks have functioned as channels for firsthand information from which the public can acquire disease-related information during infectious disease outbreaks. These platforms also enable simple and quick sharing of information with family, friends, and neighbors in real time. This is important when traditional forms of media are unable to provide relevant and timely information to the public. Social media now serves as a major, immediate information source but while the focus of latest information has been on the role of social media during infectious disease outbreaks, the question that should be brought to light is still, how the use of social media may trigger the public's emotional or noncognitive response, affect perception of risk, and preventive behaviors. Therefore, CoronaTracke was born as the online platform that provides the latest and verified news development, statistics and analysis on COVID-19.

CHAPTER 2

OBJECTIVE

Project Title :- Coronavirus Live Tracker

Objective :- The main goal had been to tackle misinformation about the Coronavirus outbreak, and put out facts and data quickly and accurately for the public to check without having to go on government websites to check the data for each state of our country.

CHAPTER 3

TECHNOLOGY USED

Software and Hardware Requirements :-

Software Requirements :-

Visual Studio Code :-

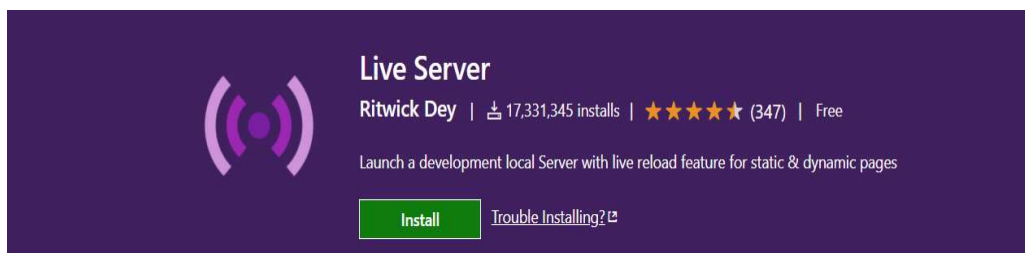
Visual Studio Code is a streamlined code editor with support for development operations like debugging, task running, and version control. It aims to provide just the tools a developer needs for a quick code-build-debug cycle and leaves more complex workflows to fuller featured IDEs, such as Visual Studio IDE.



Live Server :-

Features

- A Quick Development Live Server with live browser reload.
- Start or Stop server by a single click from status bar.
- Open a HTML file to browser from Explorer menu.
- Support for excluding files for change detection.
- Hot Key control.
- Customizable Port Number, Server Root, default browser.
- Support for any browser (*Eg: Firefox Nightly*) using advance Command Line.
- Support for Chrome Debugging Attachment.
- Remote Connect through WLAN (E.g.: Connect with mobile)
- Use preferable host name (*localhost or 127.0.0.1*).
- Customizable Supporting Tag for Live Reload feature. (Default is Body or head)
- SVG Support
- https Support.
- Support for proxy.
- CORS Enabled
- Multi-root workspace supported.
- Support for any file even dynamic pages through *Live Server Web Extension*.



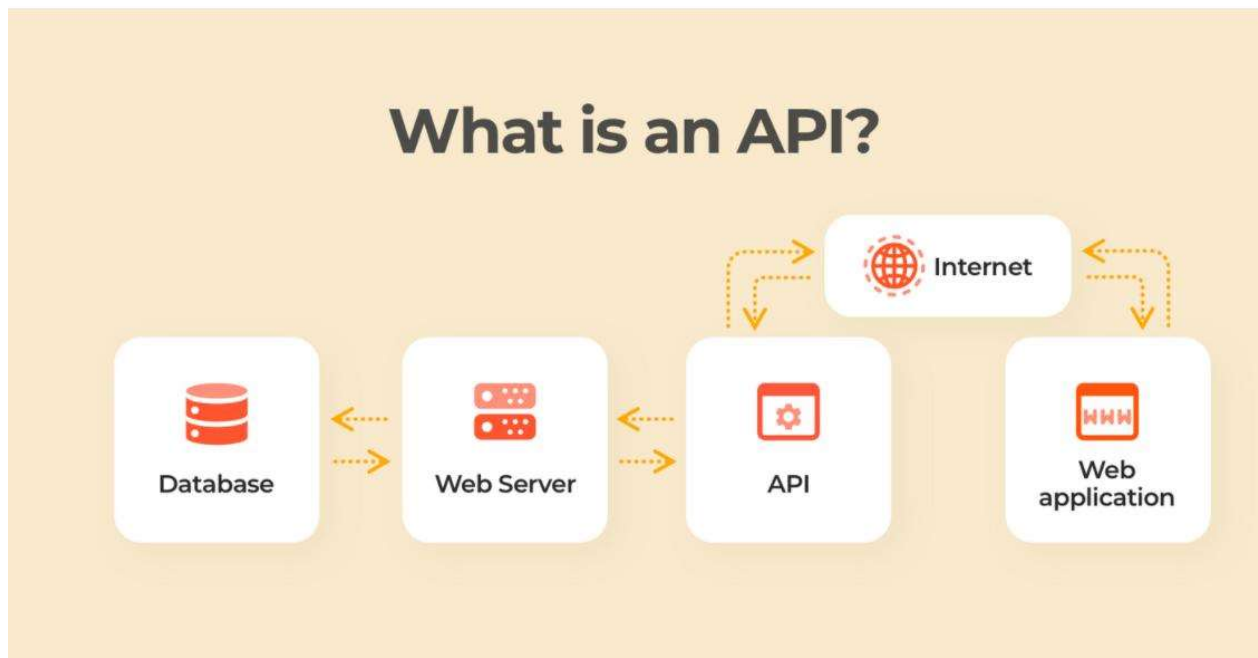
Installation :-

Open VSCode and type ctrl+P, type ext install ritwickdey.liveserver.

API :-

An application programming interface (API) is a connection between computers or between computer programs. It is a type of software interface, offering a service to other pieces of software. A document or standard that describes how to build or use such a connection or interface is called an API specification. A computer system that meets this standard is said to implement or expose an API. The term API may refer either to the specification or to the implementation.

Purpose :- In building applications, an API (application programming interface) simplifies programming by abstracting the underlying implementation and only exposing objects or actions the developer needs. While a graphical interface for an email client might provide a user with a button that performs all the steps for fetching and highlighting new emails, an API for file input/output might give the developer a function that copies a file from one location to another without requiring that the developer understand the file system operations occurring behind the scenes.



Browser :-

A web browser (commonly referred to as a browser) is application software for accessing the World Wide Web. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device.

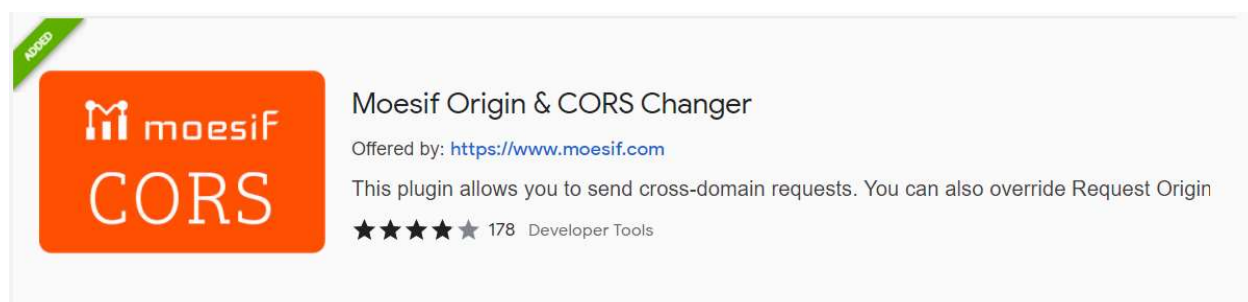
A web browser is not the same thing as a search engine, though the two are often confused. A search engine is a website that provides links to other websites. However, to connect to a website's server and display its web pages, a user must have a web browser installed.

Web browsers are used on a range of devices, including desktops, laptops, tablets, and Smartphone's.

Google Chrome :- Take control of your online safety Chrome works hard to protect your data and privacy online. With easy-to-use privacy controls, Chrome lets you customize your settings and browsing experience to how you see fit. Fast, easy-to-use tools for browsing From password check, dark mode, and the Google address bar, Chrome helps you get things done and stay safe online.



In This Browser, We Add This Extension **Moesif Origin & CORS Changer**



Language Used :-

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.

CSS :- CSS is the language we use to style an HTML document. CSS describes how HTML elements should be displayed.

JavaScript :- JavaScript is the world's most popular programming language. JavaScript is the programming language of the Web.

jQuery :- jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

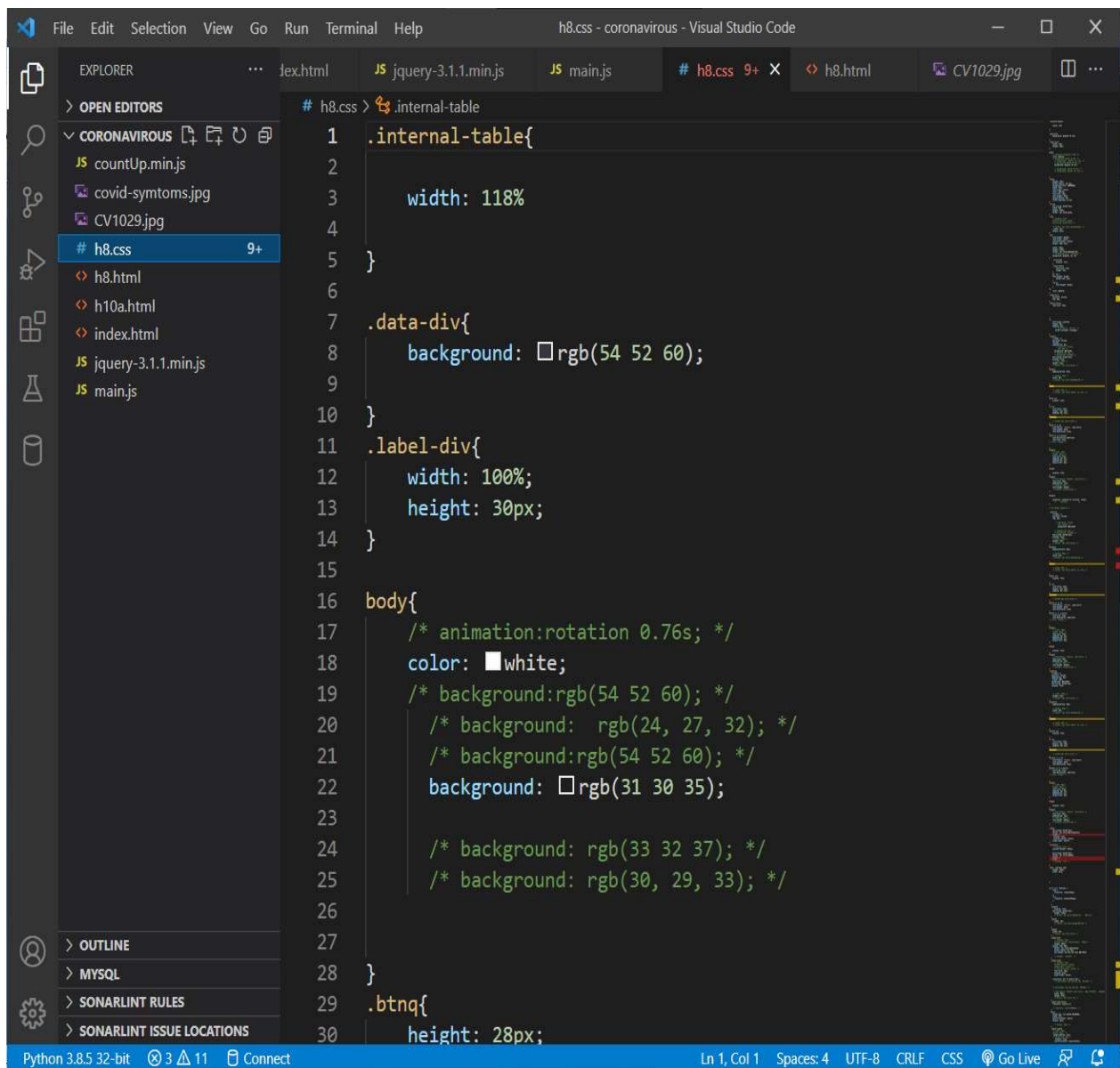
- HTML/DOM manipulation
- CSS manipulation
- HTML event methods
- Effects and animations
- AJAX
- Utilities



CHAPTER 4

PROJECT CODE (Partially)

Snap Shot Of Code :-



The screenshot shows the Visual Studio Code interface with the following details:

- Explorer Panel:** Shows a project named 'CORONAVIROUS' with files: `countUp.min.js`, `covid-symptoms.jpg`, `CV1029.jpg`, `h8.css` (9+), `h8.html`, `h10a.html`, `index.html`, `jquery-3.1.1.min.js`, and `main.js`.
- Editor Panel:** Displays the `h8.css` file with the following CSS code:

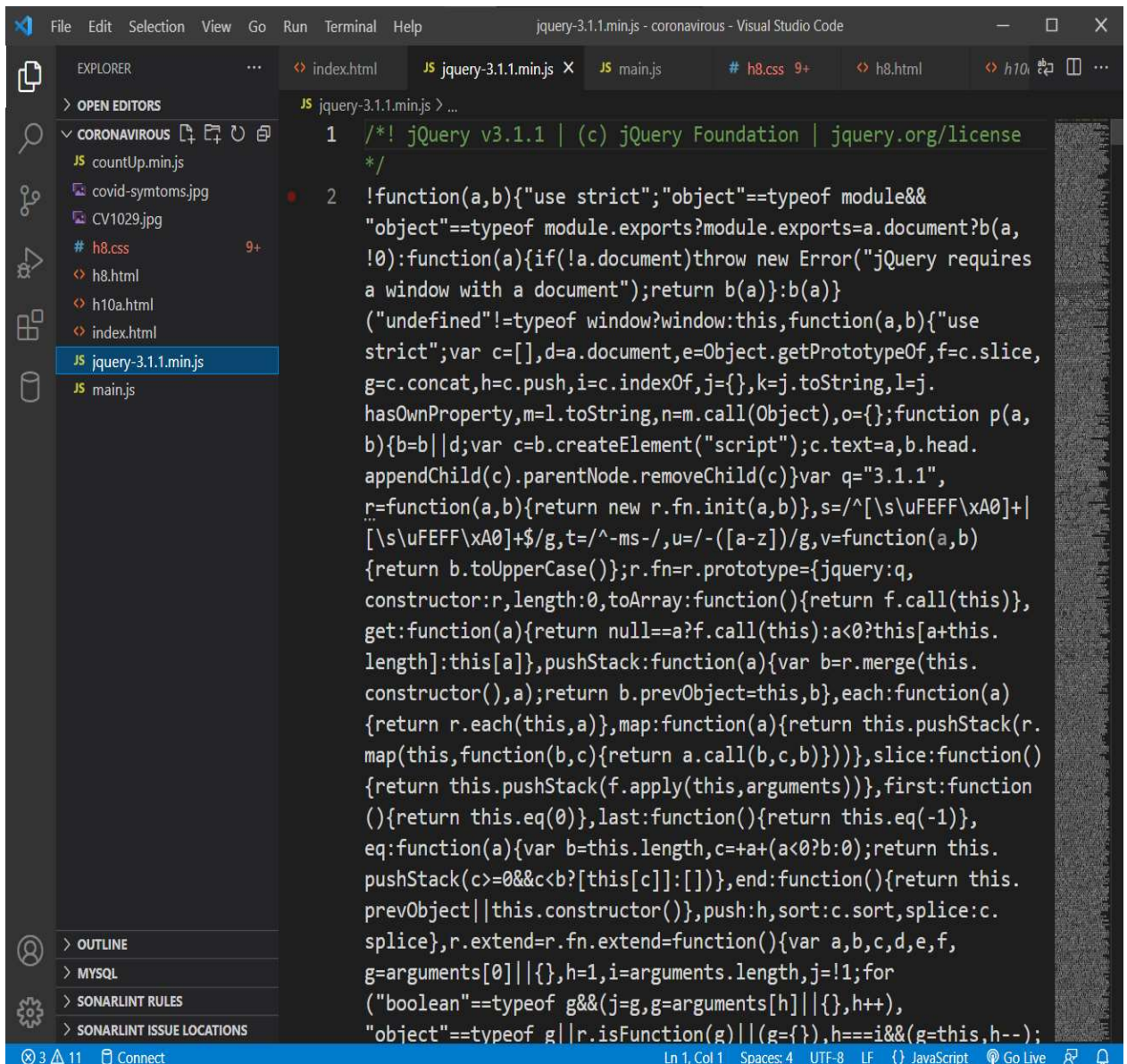
```
1 .internal-table{
2
3     width: 118%
4 }
5
6
7 .data-div{
8     background: □rgb(54 52 60);
9 }
10
11 .label-div{
12     width: 100%;
13     height: 30px;
14 }
15
16 body{
17     /* animation:rotation 0.76s; */
18     color: ■white;
19     /* background:rgb(54 52 60); */
20     /* background:  rgb(24, 27, 32); */
21     /* background:rgb(54 52 60); */
22     background: □rgb(31 30 35);
23
24     /* background: rgb(33 32 37); */
25     /* background: rgb(30, 29, 33); */
26
27
28 }
29 .btnq{
30     height: 28px;
```
- Bottom Panel:** Shows the status bar with 'Python 3.8.5 32-bit', '3 11', 'Connect', 'Ln 1, Col 1', 'Spaces: 4', 'UTF-8', 'CRLF', 'CSS', 'Go Live', and a refresh icon.

```
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5     <meta charset="UTF-8">
6     <meta http-equiv="X-UA-Compatible" content="IE=edge">
7     <meta name="viewport" content="width=device-width, initial-
8     <title>Document</title>
9     <!-- CSS only -->
10    <!-- <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0
11         integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1zt
12    <link href="https://fonts.googleapis.com/icon?family=Materi
13    <link rel="preconnect" href="https://fonts.googleapis.com">
14
15    <link rel="stylesheet" href="h8.css">
16    <link rel="stylesheet" href="index.html">
17    <link rel="stylesheet" href="h10a.html">
18    <!-- <link rel="stylesheet" href="h10.html"> -->
19    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3
20    <script src="jquery-3.1.1.min.js" type="text/javascript"></
21    <script src="countUp.min.js" type="text/javascript"></scrip
22    <script src="main.js"></script>
23
24    <!-- <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.
25         integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJc
26         crossorigin="anonymous"></script> -->
27
28 </head>
29
30 <body>
```



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4     <meta charset="UTF-8">
5     <meta http-equiv="X-UA-Compatible" content="IE=edge">
6     <meta name="viewport" content="width=device-width, initial-scale=1">
7     <link href="https://fonts.googleapis.com/icon?family=Material+Icons">
8     <link rel="stylesheet" href="h8.css">
9     <title>Document</title>
10 </head>
11 <body>
12     <nav class="navbar2">
13         <div id="righttt">
14             <div id="logo">
15                 <span class="material-icons" id="logoc">
16                     coronavirus
17                 </span>
18                 <div id="logo1">COVID UPDATE</div>
19             </div>
20             <!-- <div id="logo1"></div> -->
21         </div>
22         <div id="lefttt">
23             <ul>
24                 <li><a href="index.html">home</a></li>
25                 <li><a href="">about us</a></li>
26                 <!-- <li><a href="">precaution</a></li> -->
27                 <!-- <li><a href="">global Data</a></li> -->
28             </ul>
29         </div>
30     </nav>
```

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <!-- <httpProtocol>
4   <customHeaders>
5     <add name="Access-Control-Allow-Origin" value="*" />
6     <add name="Access-Control-Allow-Headers" value="Content-
7     <add name="Access-Control-Allow-Methods" value="GET, POST
8   </customHeaders>
9 </httpProtocol> -->
10
11 <head>
12   <meta charset="UTF-8">
13   <meta http-equiv="X-UA-Compatible" content="IE=edge">
14   <meta name="viewport" content="width=device-width, initial-sc
15   <link rel="stylesheet" href="https://unpkg.com/aos@next/dist/
16   <script src="jquery-3.1.1.min.js" type="text/javascript"></sc
17   <script src="countUp.min.js" type="text/javascript"></script>
18
19
20   <title>Document</title>
21   <link rel="stylesheet" href="h8.css">
22   <link rel="stylesheet" href="h10a.html">
23   <link href="https://fonts.googleapis.com/icon?family=Materia
24
25   <link href='https://api.mapbox.com/mapbox-gl-js/v2.3.1/mapbo
26
27   <link rel="preconnect" href="https://fonts.googleapis.com">
28   <link rel="stylesheet" href="h8.html">
29   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5
30   <script src="main.js"></script>
```

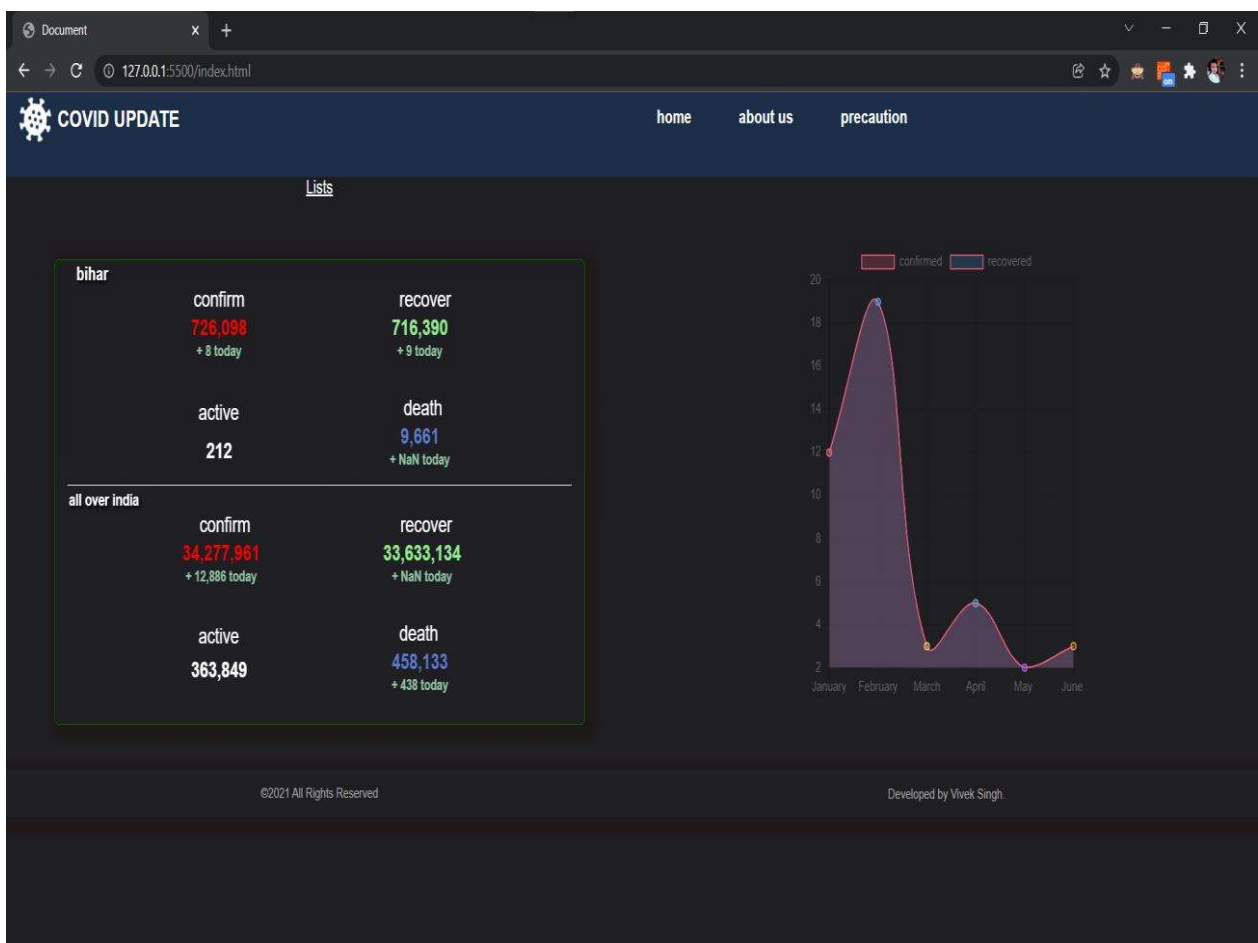



```
1  
2  
3 $(document).ready(function () {  
4  
5  
6  
7 // $.getJSON("https://api.covid19api.com/summary", function  
8  
9 //     console.log(data);  
10 //     console.log(data.Countries[76]);  
11 //     const country_name = data.Countries[76];  
12 //     console.log(country_name.NewConfirmed);  
13  
14 //     $("#ma").append(country_name.NewConfirmed);  
15 //     $("#recovered").append(country_name.TotalRecovered);  
16  
17 // })  
18 var options = {  
19     useEasing : true,  
20     useGrouping : true,  
21     separator : ',',  
22     decimal : '.',  
23     prefix : ' + ',  
24     suffix : ' today ',  
25  
26  
27  
28 };  
29  
30
```

CHAPTER 5

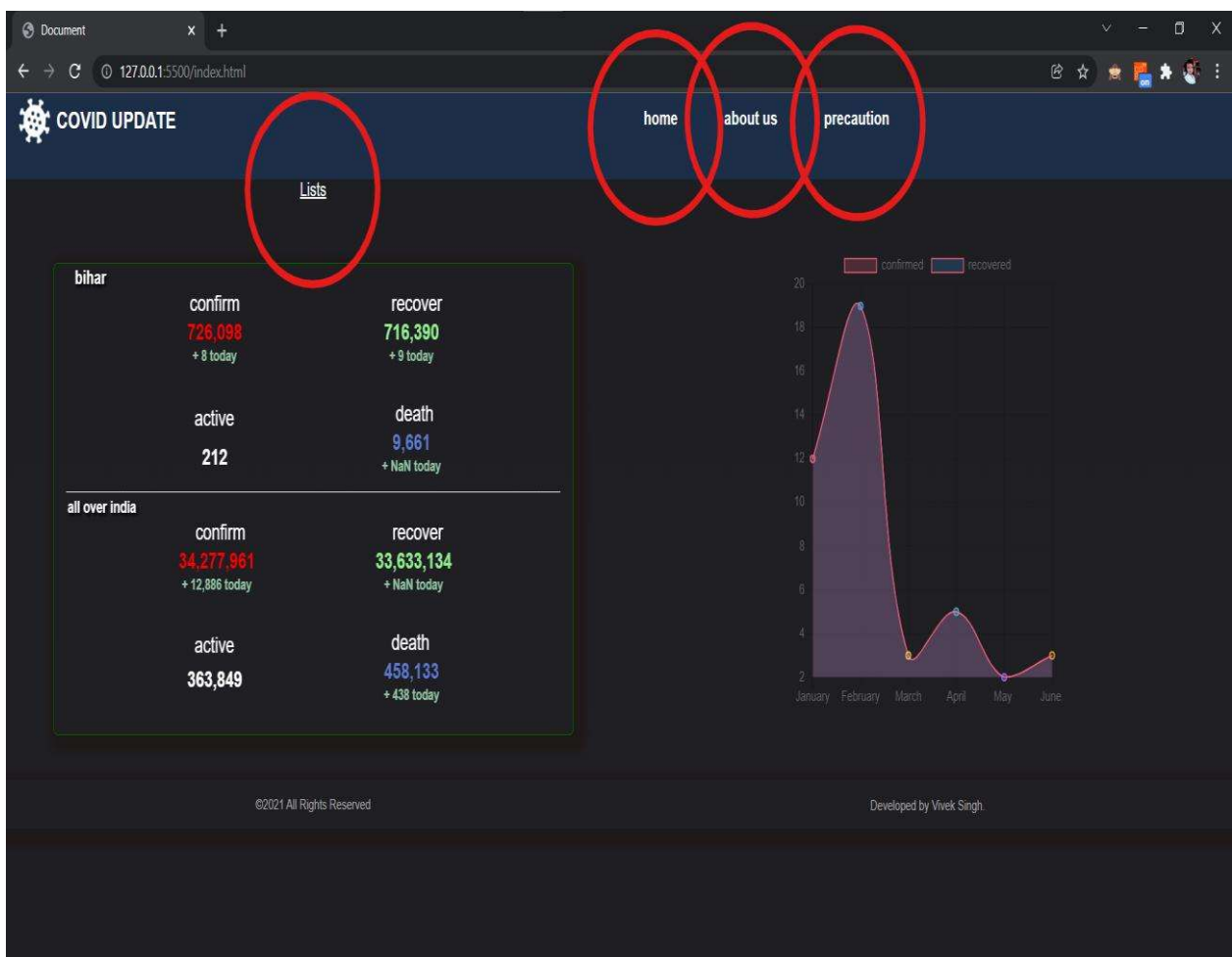
RESULT (Output) (Snap Shot)

Front Page :-



Buttons :-

- Lists Button
- Home Button
- About Button
- Precaution Button



Lists Button :-

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
click Me Maharashtra	↑ 1,172 6,396,805	↑ 1,399 6,195,744	↑ 20 135,139	62,452
click Me Kerala	↑ 7,167 3,702,417	↑ 6,439 3,510,909	↑ 167 18,743	172,250
click Me Karnataka	↑ 292 2,930,529	↑ 345 2,871,448	↑ 11 37,007	22,048
click Me Tamil Nadu	↑ 1,009 2,590,632	↑ 1,183 2,535,715	↑ 29 34,547	20,370
click Me Andhra Pradesh	↑ 383 1,994,606	↑ 675 1,963,728	↑ 4 13,660	17,218
click Me Uttar Pradesh	↑ 6 1,708,965	↑ 6 1,685,761	↑ 22,785	419
click Me West Bengal	↑ 914 1,539,065	↑ 913 1,510,921	↑ 14 18,312	9,832
click Me Delhi	↑ 43 1,437,118	↑ 46 1,411,582	↑ 25,069	467
click Me Chhattisgarh	↑ 32 1,003,814	↑ 32 989,128	↑ 1 13,548	1,138
click Me Odisha	↑ 498 995,433	↑ 499 979,407	↑ 1 7,006	9,020
click Me Rajasthan	↑ 2 953,954	↑ 2 944,820	↑ 8,954	180
click Me Gujarat	↑ 20 825,196	↑ 23 814,934	↑ 10,078	184

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
click Me Madhya Pradesh	↑ 16 792,043	↑ 8 781,434	↑ 10,515	94
click Me Haryana	↑ 11 770,230	↑ 10 759,904	↑ NaN 9,660	666
click Me Bihar	↑ 725,497	↑ 715,635	↑ 9,649	212
click Me Telangana	↑ 121 652,785	↑ 183 641,847	↑ 1 3,845	7,093
click Me Punjab	↑ 26 599,972	↑ 25 583,071	↑ 1 16,344	557
click Me Assam	↑ 212 580,657	↑ 236 566,101	↑ 1 5,502	7,707
click Me Jharkhand	↑ 10 347,620	↑ 8 342,253	↑ 5,131	236
click Me Uttarakhand	↑ 1 342,606	↑ 9 328,844	↑ 7,371	342
click Me Jammu And kashmir	↑ 95 323,499	↑ 79 317,872	↑ 4,398	1,229
click Me Himachal Pradesh	↑ 85 210,419	↑ 198 204,167	↑ 1 3,535	2,695
click Me Goa	↑ 23 172,568	↑ 33 168,519	↑ NaN 3,176	873
click Me Puducherry	↑ 38 122,331	↑ 43 119,634	↑ 1,805	892

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
click Me Manipur	108,545	100,559	1,716	6,270
click Me Tripura	81,308	78,929	778	1,538
click Me Chandigarh	62,031	61,177	811	43
click Me Meghalaya	72,160	67,164	1,235	3,761
click Me Arunachal Pradesh	51,513	49,425	252	1,836
click Me Mizoram	48,711	39,647	184	8,880
click Me Nagaland	29,195	26,601	605	1,153
click Me Sikkim	28,726	26,018	361	2,068
click Me Ladakh	20,447	20,162	207	78
click Me Dadra And Nagar Haveli And Daman And Diu	10,660	10,617	4	8
click Me Lakshadweep	10,294	10,164	51	39
click Me AndamanAnd Nicobar Islands	7,549	7,419	129	1

Click Me Button :-

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
click Me Gujarat	825,196	814,934	10,078	184
click Me Madhya Pradesh	792,043	781,434	10,515	94
click Me Haryana	770,230	759,904	9,660	666
click Me Bihar	725,497	715,635	9,649	212
click Me Telangana	652,785	641,847	3,845	7,093
click Me Punjab	599,972	583,071	16,344	557
click Me Assam	580,657	566,101	5,502	7,707
click Me Jharkhand	347,620	342,253	5,131	236
click Me Uttarakhand	342,606	328,844	7,371	342
click Me Jammu And kashmir	323,499	317,872	4,398	1,229
click Me Himachal Pradesh	210,419	204,167	3,535	2,695
click Me Goa	172,568	168,519	3,176	873

Click Me Button :-

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
Click Me Madhya Pradesh	↑ 16 792,043	↑ 8 781,434	↑ 10,515	94
Last updated at				
DISTRICT	CONFIRM	RECVRD	DEATHS	
Indore	153011	151410	1391	
Bhopal	123323	122121	972	
Gwalior	53092	52427	633	
Jabalpur	50641	49896	670	
Ujjain	18896	18720	172	
Ratlam	17854	17438	385	
Sagar	16592	16154	390	
Rewa	16431	16270	155	
Khargone	13965	13716	239	
Betul	12899	12590	277	
Dhar	12533	12388	130	
Shivpuri	12393	12261	125	
Satna	11965	11829	133	

View More Details

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

DISTRICT	CONFIRM	RECVRD	DEATHS
Vidisha	11918	11677	237
Narsinghpur	11200	11115	81
Hoshangabad	10680	10570	99
Sehore	10136	10057	73
Shahdol	10080	9958	118
Katni	9365	9242	120
Raisen	9233	9030	194
Anuppur	9229	9140	89
Sidhi	9219	9132	87
Balaghat	9090	9017	64
Singrauli	8793	8706	82
Rajgarh	8700	8490	172
Mandsaur	8637	8552	84
Barwani	8363	8267	90
Morena	8236	8135	95
Damoh	8120	7841	186

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
click Me Bihar	725,497	715,635	9,649	212
Last updated at		View More Details		
DISTRICT	CONFIRM	RECVRD	DEATHS	
Patna	146831	144463	2330	
Gaya	33937	33652	279	
Muzaffarpur	31379	30746	621	
Begusarai	27181	26717	457	
Bhagalpur	25825	25504	309	
Purnia	24406	24223	180	
Nalanda	23421	22939	468	
Saran	23267	23011	255	
West Champaran	20885	20523	358	
Aurangabad	20009	19934	75	
Samastipur	19977	19804	154	
Vaishali	19806	19601	192	
East Champaran	19000	18548	430	

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

DISTRICT	CONFIRM	RECVRD	DEATHS
Madhubani	18332	17991	337
Katihar	18119	18011	94
Saharsa	17591	17454	134
Supaul	17202	17073	128
Gopalganj	16671	16576	94
Siwan	15193	15023	170
Munger	15101	14940	158
Araria	14958	14834	116
Rohtas	13958	13682	269
Madhepura	12519	12400	111
Darbhanga	10897	10504	366
Jehanabad	10770	10661	109
Nawada	10344	10164	178
Bhojpur	10172	10004	159
Kishanganj	10103	10022	66
Khagaria	10054	9966	88

View More Details Button :-

Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

STATE/UT	CONFIRM	RECVRD	DTHS	ACTV
Madhya Pradesh	792,043	781,434	10,515	94
View More Details				
DISTRICT	CONFIRM	RECVRD	DEATHS	
Indore	153011	151410	1391	
Bhopal	123323	122121	972	
Gwalior	53092	52427	633	
Jabalpur	50641	49896	670	
Ujjain	18896	18720	172	
Ratlam	17854	17438	385	
Sagar	16592	16154	390	
Rewa	16431	16270	155	
Khargone	13965	13716	239	
Betul	12899	12590	277	
Dhar	12533	12388	130	
Shivpuri	12393	12261	125	
Satna	11965	11829	133	

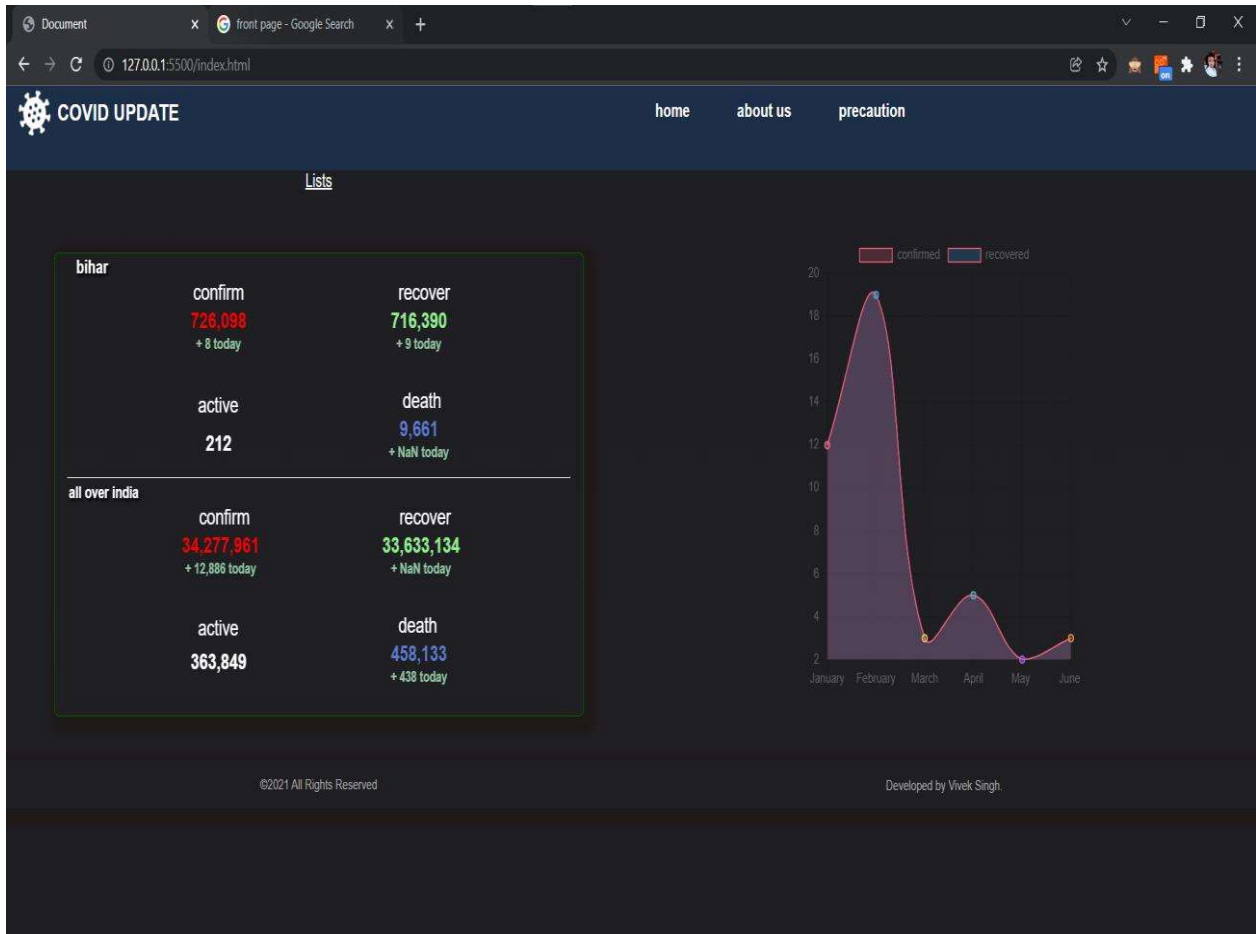
Document front page - Google Search 127.0.0.1:5500/h8.html

COVID UPDATE home about us precaution

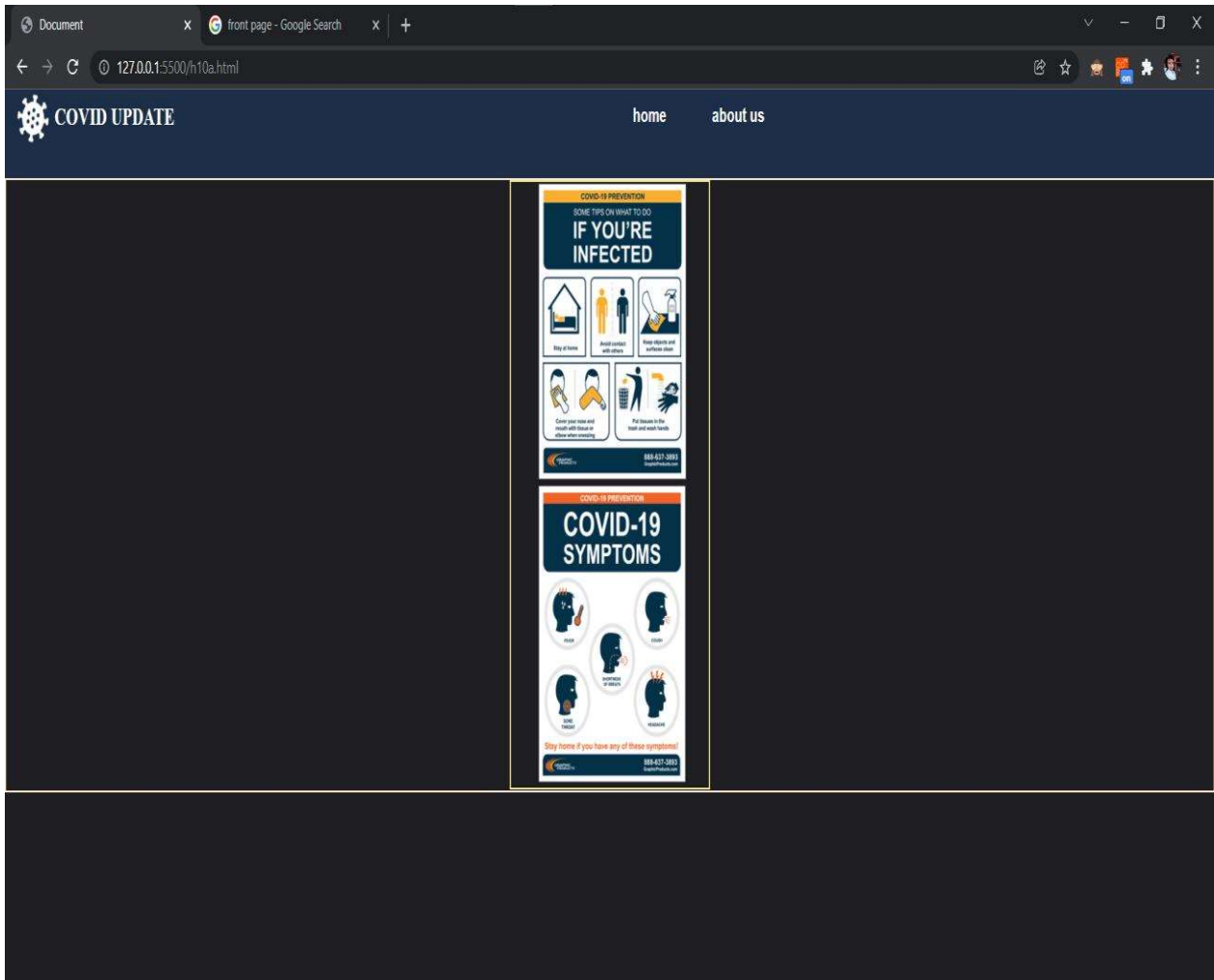
DISTRICT	CONFIRM	RECVRD	DEATHS
Shajapur	6349	6273	74
Umaria	6293	6224	63
Mandla	5187	5159	25
Guna	5132	5085	44
Harda	5055	4954	96
Dindori	4623	4588	29
Khandwa	4040	3946	94
Sheopur	3998	3919	78
Niwari	3711	3654	48
Ashoknagar	3670	3613	57
Alirajpur	3501	3453	48
Agar Malwa	3303	3235	68
Bhind	2994	2960	32
Burhanpur	2568	2529	39
Unknown	1384	761	1483
Other Region	0	0	0

*Details awaited for Unknown

Home And About Us Button :-



Precaution Button :-



Chapter 6

CONCLUSION & FUTURE SCOPE

Conclusion :- We also analyzed the sentiments from news extracted by CoronaTracker to further understand people's reaction towards this outbreak. COVID-19 is still an infectious disease with some unclear or unknown properties, which means accurate SEIR prediction can only be obtained once the outbreak has been successfully contained. The outbreak spreads are largely influenced by each country's policy and social responsibility. In a pandemic like this, providing timely information to the public is paramount. A platform like CoronaTracker will assist the government and authorities to disseminate verified articles, provide updates to the situation, and advocate good personal hygiene to the people. CoronaTracker is built out of social responsibility to spread awareness to the common people by providing scientific-based data analysis, prediction and verified news.

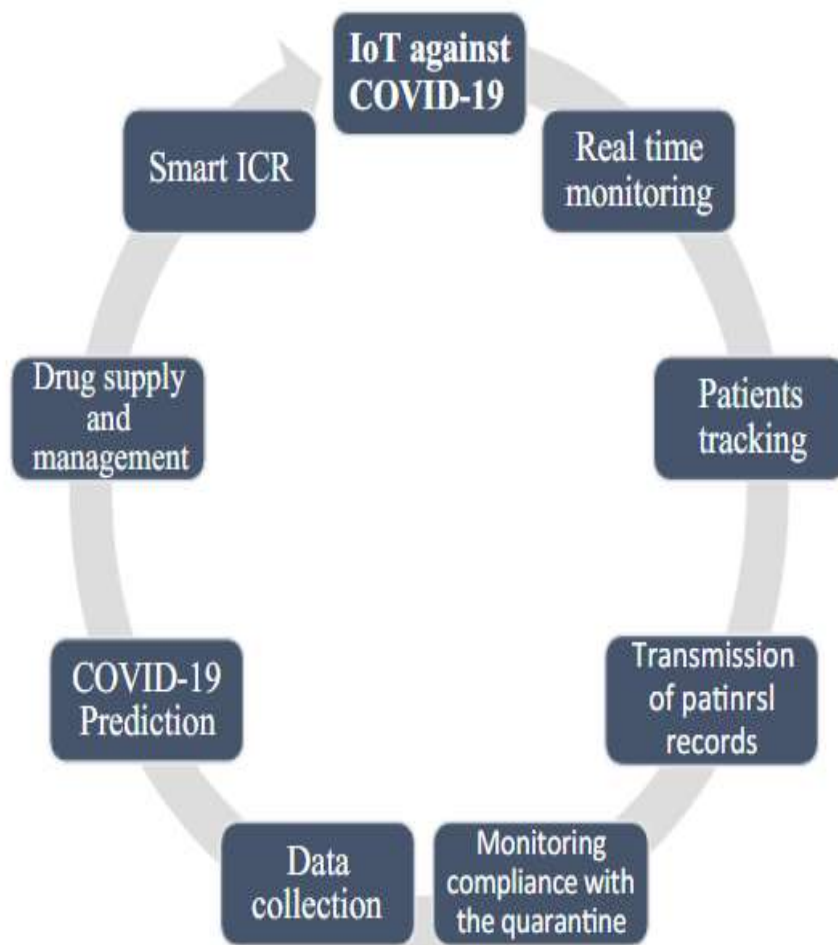
The Future Scope of Internet of Things for Monitoring and Prediction of COVID-19 Patients :-

The new outbreak of pneumonia triggered by a novel corona virus(COVID-19) poses a major threat and has been declared a global public health emergency. This outbreak had first been discovered in December 2019 in Wuhan, China and until now has spread to the world. Emerging technology such as the Internet of Things (IoT) and sensor networks (SN) have been utilized widely in our everyday lives in a diversity of ways. IoT has also been an instrumental role in fighting against the COVID-19 pandemic currently out breaking across the globe, where it playas significant role in tracking COVID-19 patients and infected people in hospitals and hotspots. This paper exhibited a survey of IoT technologies used in the fight against the deadly COVID-19 outbreak in different applications and discusses the key roles of IoT science in this unparalleled war. Research directions on discovering IoT's potentials, improving its capabilities and power in the battle, and IoT's issues and problems in healthcare systems are explored in detail.

This study is intended to provide an overview of the current status of IoT applications to IoT researchers and the broader community and to inspire researchers to leverage IoT potentials in the battle against COVID-19.

Keywords :- COVID-19, Corona virus, Internet of things, IoT, Healthcare monitoring.

The Future Scope of Internet of Things for Monitoring :-



In Future We Add Word Wide Data, Real Time Mothering and Many more.

**Thank
You**
