

**A Mini Project Report On:**

**COVID - 19 CASES STATISTICS**  
**USING JAVASCRIPT**

**Bachelor of Engineering in**  
**COMPUTER SCIENCE & ENGINEERING**  
By

**245219733301 FOUZIYA BEGUM**  
**245219733019 MOHD SAIFUDDIN**  
**245219733023 SYED SUBAAN SHAREEF**

Under the Guidance of

**Mrs. B. Shobini** M.Tech

Head of the Department, C.S.E, SWITS



**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**SWATHI INSTITUTE OF TECHNOLOGY & SCIENCES**

(Affiliated to Osmania University, Hyderabad)

**2021 - 2022**

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## **SWATHI INSTITUTE OF TECHNOLOGY & SCIENCES**

(Affiliated to Osmania University, Hyderabad)



### **DECLARATION**

**FOUZIYA BEGUM** bearing Roll No:245219733301, **MOHD SAIFUDDIN** bearing Roll No: 245219733019, **SYED SUBAAN SHAREEF** bearing Roll No: 245219733023, hereby certify that the dissertation entitled "**COVID -19 CASES STATISTICS USING JAVASCRIPT**" carried out under the guidance of **Mrs. B.Shobini, Head of the Department** is submitted to **Osmania University, Hyderabad** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Engineering in Computer Science & Engineering**. This is a record of bonafide work carried out by me and the results embodied in this dissertation has not been reproduced or copied from any source. The results embodied in this dissertation have not been submitted to any other University or Institute for the award of any other degree.

**Date:**

**FOUZIYA BEGUM**

**Roll No: 245219733000**

**MOHD SAIFUDDIN**

**Roll No: 245219733019**

**SYED SUBAAN SHAREEF**

**Roll No: 245219733023**

# DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

## **SWATHI INSTITUTE OF TECHNOLOGY & SCIENCES**

(Affiliated to Osmania University, Hyderabad)



### **CERTIFICATE**

This is to certify that the dissertation entitled **“COVID -19 CASES STATISTICS USING JAVASCRIPT”**, being submitted by , **FOUZIYA BEGUM** bearing Roll No: **245219733301**, **MOHD SAIFUDDIN** bearing Roll No: **245219733019**, **SYED SUBAAN SHAREEF** bearing Roll No: **245219733023**, to **Osmania University, Hyderabad** in partial fulfillment of the requirements for the award of the degree of **Bachelor of Engineering in Computer Science & Engineering**, is a record of bonafide work carried out by him. The results of investigations enclosed in this report have been submitted to any other University or Institute for the award of any other degree or diploma.

Internal Guide

HOD

**Mrs. B. Shobini**, M. Tech

Head of the Department,  
CSE, SITS

## **ACKNOWLEDGEMENT**

In the accomplishment of our project WEB DEVELOPMENT, **“COVID -19 CASES STATISTICS USING JAVASCRIPT”**, We would like to express our sincere thanks to Mrs.B.Shobini, Head of the Department of Computer Science, Swathi Institute Of Technology And Sciences for her valuable guidance and support in completing my project. Without her support and suggestions, this project would not have been completed. We would also like to express our gratitude for giving me this great opportunity to undertake this project.

We are indebted to the **Swathi Institute of Technology and Sciences** for providing us the healthy, supportive & learning environment to drive us to achieve our ambitions and goals. Theoretical knowledge is of no importance if one doesn't know the ways its implementation. We are thankful to our institute that provided us an opportunity to apply our theoretical knowledge through the project. We feel obliged in submitting this project as part of our curriculum.

Finally, we would like to express our gratitude to one and all that have helped us in successfully completing this project. Furthermore I would like to thank my family and friends for their moral support and encouragement.

**FOUZIYA BEGUM - 245219733301**

**MOHD SAIFUDDIN – 245219733019**

**SYED SUBAAN SHAREEF – 245219733023**

**Department of Computer Science,  
Swathi Institute of Technology and Sciences.**

# INDEX

TOPICS	PAGE NO'S
ABSTRACT	06
INTRODUCTION	07
TECHNOLOGY AND LITRATURE REVIEW	08 - 09
WORKING OF WEBSITE	10
SOURCE CODE	11 - 17
STEPS TO EXECUTE	18 - 19
CONCLUSION	20

## **ABSTRACT**

We built a **“COVID -19 CASES STATISTICS USING JAVASCRIPT”** to help people discover open source projects in the community. Today, All Countries in the world fighting with Coronavirus. Every day, Coronavirus cases rising rapidly. It is important for all to keep track of COVID Cases daily and should try to keep himself/herself safe. We have made a small web site that will tell you a total no of cases, new cases, new death, recovery, etc. to the user. You have to just enter the country name and click on search. This website is created by using HTML, CSS and Java Script.

# **INTRODUCTION**

## **● PROJECT:**

This “**COVID -19 CASES STATISTICS USING JAVASCRIPT**” is a miniproject of **Web Development** using the scripting language like HTML, CSS, Java Script. This shows the COVID – 19 cases of every country just by entering the country name in the given writing area.

## **● PROJECT TEAM:**

-1- FOUZIYA BEGUM	245219733301
-2- MOHD SAIFUDDIN	245219733019
-3- SYED SUBAAN SHAREEF	245219733023

## **● OBJECTIVE:**

The main purpose of this project is to give awareness of Corona cases of specific countries by just typing the country name.

## **● SOFTWARE REQUIREMENT:**

<b>Operating System:</b>	Windows 7/8/10/11
<b>Coding Language:</b>	HTML5, CSS3, JAVASCRIPT
<b>IDE:</b>	Visual Studio Code

# TECHNOLOGY AND LITRATURE REVIEW

## ● ABOUT TECHNOLOGIES:

**HTML (HyperText Markup Language)** is like a skeleton of the website. It creates the structure. Like which division of the website should be placed where. It uses *tags* to define the structure.

Every other language used to develop website is linked inside HTML.

**CSS (Cascading Style Sheets)** is like the beauty parlor of HTML. It uses it's defined properties and its values to give styling to the selected tags of HTML

Eg. Selected Tag {property: value}

div{height: 200px}

**Javascript** is like the nature of the website. How you want that website to work could be defined by javascript. For example on taking the mouse over the button I want a drop down list to appear from it or I want to change the background color of the website by clicking that button etc.

## Why HTML, CSS, JAVASCRIPT?

HTML, CSS and JavaScript work together **to form the front-end design of a website by applying information that affects content, style and interactivity of a site.**

When HTML is combined with CSS and Javascript, It become **a milestone for web development.**



**Bootstrap** is a free and open source front end development framework for the creation of websites and web apps. The Bootstrap framework is built on HTML, CSS, and JavaScript (JS) to facilitate the development of responsive, mobile-first sites and apps.

Responsive design makes it possible for a web page or app to detect the visitor's screen size and orientation and automatically adapt the display accordingly; the mobile first approach assumes that smartphones, tablets and task-specific Mobile apps are employees' primary tools for getting work done and addresses the requirements of those technologies in design.

Bootstrap includes user interface components, layouts and JS tools along with the framework for implementation. The software is available precompiled or as source code.

# WORKING OF WEBSITE

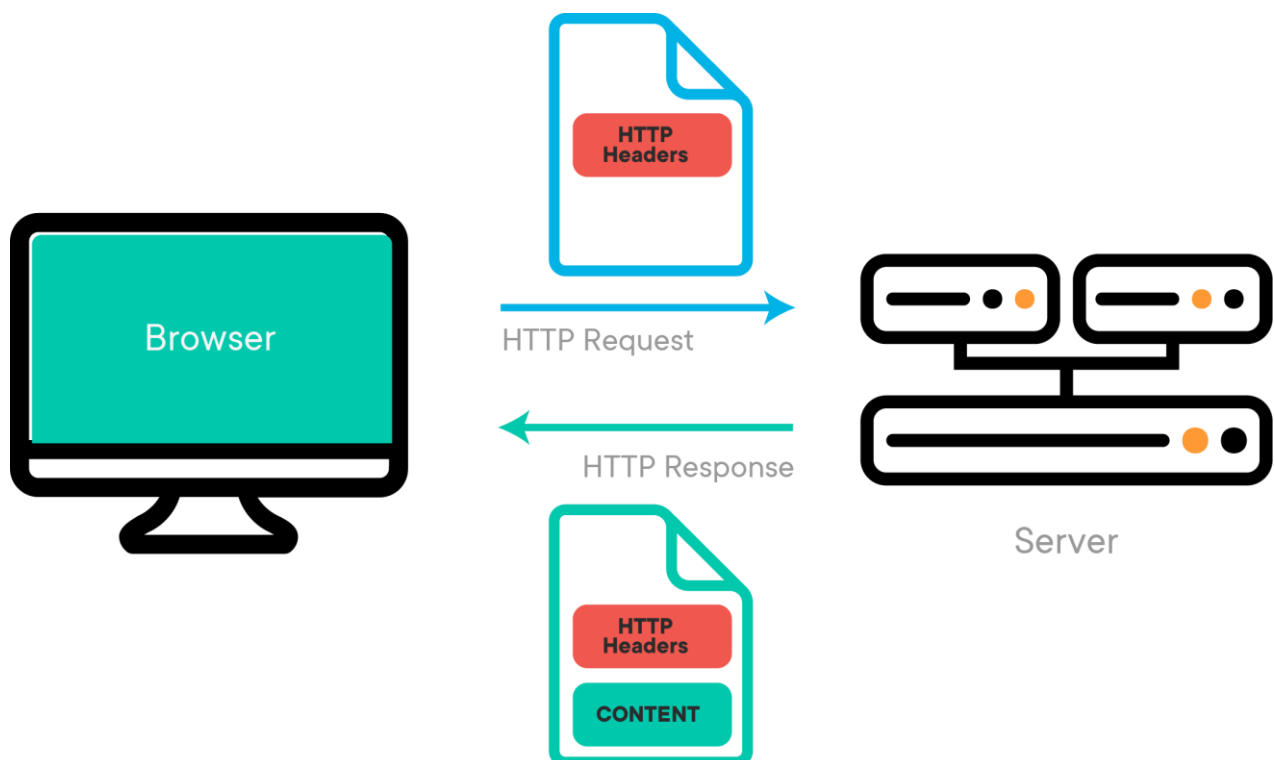
## ● WEBSITE:

A web page is a way to display information on the internet. It's made up of elements like text, images, links, videos, or buttons.

Based on the information those pages contain, they are organized into an information hierarchy– this allows navigation from one page to another. The overall collection of those related web pages is a website.

## ● WORKING:

If you host your website on a server and register a domain, then a user can access your website! They type your domain into the browser, which sends a request to your server. Then they can access the HTML code on the server and translate it into a web page that they can interact with. So there you have it!



## SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <link rel="stylesheet" href="style.css">
  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.m
in.css" rel="stylesheet" integrity="sha384-
1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
crossorigin="anonymous">
  <title>covid-cases-tracker</title>
</head>
<body class="body">
<div class="container">
  <div class="searchBx">
    <input class="searchTxt" type="text" id="myInput"
placeholder="Type to search">
    <a class="searchBtn" href="#" onclick="getInputValue();">
      <i class="fa fa-search" aria-hidden="true"></i>
    </a>
  </div>
  <h1>Covid-19 Cases In <span id="country"></span> <img src=""
alt="country" id="flag"></h1>
  <div class="content">
    <div class="box">
      <div class="subtitle active">Active Cases</div>
      <div class="data" id="Active_Cases"></div>
    </div>
    <div class="box">
      <div class="subtitle total">Total Cases</div>
      <div class="data" id="Total_Cases"></div>
    </div>
    <div class="box">
      <div class="subtitle critical">Critical Cases</div>
      <div class="data" id="Critical_Cases"></div>
    </div>
    <div class="box">
      <div class="subtitle death">Total Deaths</div>
      <div class="data" id="Total_Death"></div>
    </div>
    <div class="box">
      <div class="subtitle recovered">Recovered Cases</div>
      <div class="data" id="Recovered_Cases"></div>
    </div>
    <div class="box">
      <div class="subtitle test">Total Tests Done</div>
```

```

        <div class="data" id="Total_Test_Done"></div>
    </div>
</div>
</div>

    <!-- External javascript -->
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-
ka7Sk0Gln4gmtz2MlQnikTlwxGysOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+lp"
crossorigin="anonymous"></script>
    <script src="script.js"></script>
</body>
</html>

```

## ● CSS CODE:

```

.body{
    background-color: gray;
}

*{
    margin: 0;
    padding: 0;
}

body{
    display: flex;
    justify-content: center;
    align-items: center;
    height: 100vh;
    width: 100%;
    background: #000;
}

.container{
    display: flex;
    justify-content: center;
    align-items: center;

```

```

        flex-direction: column;

        margin: 0;
    }

    .searchBx{

        position: relative;

        background-color: #fff;

        height: 60px;

        border-radius: 40px;

        padding: 10px;

        margin-bottom: 30px;

        text-shadow: 0 0 10px #00b3ff,
                     0 0 10px #00b3ff,
                     0 0 10px #00b3ff,
                     0 0 10px #00b3ff,
                     0 0 10px #00b3ff;

    }

    .searchBx:hover > .searchTxt{

        width: 240px;

        text-align: center;

        color: #00b3ff;

        font-size: 20px;

        padding: 0 6px;

    }

    .searchBtn{

        color: #fff;

        float: right;

        width: 40px;

        height: 40px;

        border-radius: 50%;

        background: #2f3640;

        display: flex;

```

```

        justify-content: center;
        align-items: center;
    }
    .searchTxt{
        border: none;
        background: none;
        outline: none;
        float: left;
        padding: 0;
        color: #000;
        font-size: 16px;
        transition: 0.4s;
        line-height: 40px;
        width: 0px;
    }
    h1{
        font-family: 'Roboto', sans-serif;
        font-size: 40px;
        font-weight: 700;
        letter-spacing: 2px;
        color: #56d8f5;
        justify-content:center;
        align-items:center;
    }
    h1 img{
        width: 100px;
        height: 50px;
    }
    .content{
        display: flex;
        justify-content: center;

```

```

    align-items: center;

    width: 100%;

    flex-wrap: wrap;
}

.box{
    display: flex;

    justify-content: center;

    align-items: center;

    flex-direction: column;

    height: 100px;

    width: 25%;

    margin: 20px;

    background: rgba(255,255,255,0.2);

    box-shadow: 0 15px 35px rgba(0,0,0,0.05);

    border-radius: 50px;

    backdrop-filter: blur(10px);

    border: 1px solid rgba(255,255,255,0.25);

    border-left: 1px solid rgba(255,255,255,0.5);

    border-top: 1px solid rgba(255,255,255,0.5);
}

.box .subtitle, .data{
    font-family: 'Roboto', sans-serif;

    font-size: 20px;

    font-weight: 700;

    line-height: 1.87;

    letter-spacing: 2px;

    justify-content:center;

    align-items:center;
}

.data{
    color: #fff;

```

```

}
.death{
    color: red;
}
.total{
    color: lightsalmon;
}
.recovered{
    color: rgb(21, 231, 203);
}
.test{
    color: rgb(0, 255, 85);
}
.active{
    color: rgb(255, 136, 0);
}
.critical{
    color: rgb(194, 144, 8);
}
#flag{
    display: none;
}

```

## ● JAVASCRIPT CODE:

```

function getInputValue(){
    var inputVal = document.getElementById("myInput").value;
    //console.log(inputVal);
    var image = document.getElementById('flag')
    image.style.display = "inline-block";
}

```



```

fetch("https://corona.lmao.ninja/v2/countries/"+inputVal)
  .then((response) => {
    return response.json();
  })
  .then((data) => {
    console.log(data);

    document.getElementById("flag").src = data.countryInfo.flag;
    document.getElementById("country").innerHTML = data.country;
    document.getElementById("Active_Cases").innerHTML =
data.active;

    document.getElementById("Total_Cases").innerHTML = data.cases;
    document.getElementById("Critical_Cases").innerHTML =
data.critical;

    document.getElementById("Total_Death").innerHTML =
data.deaths;

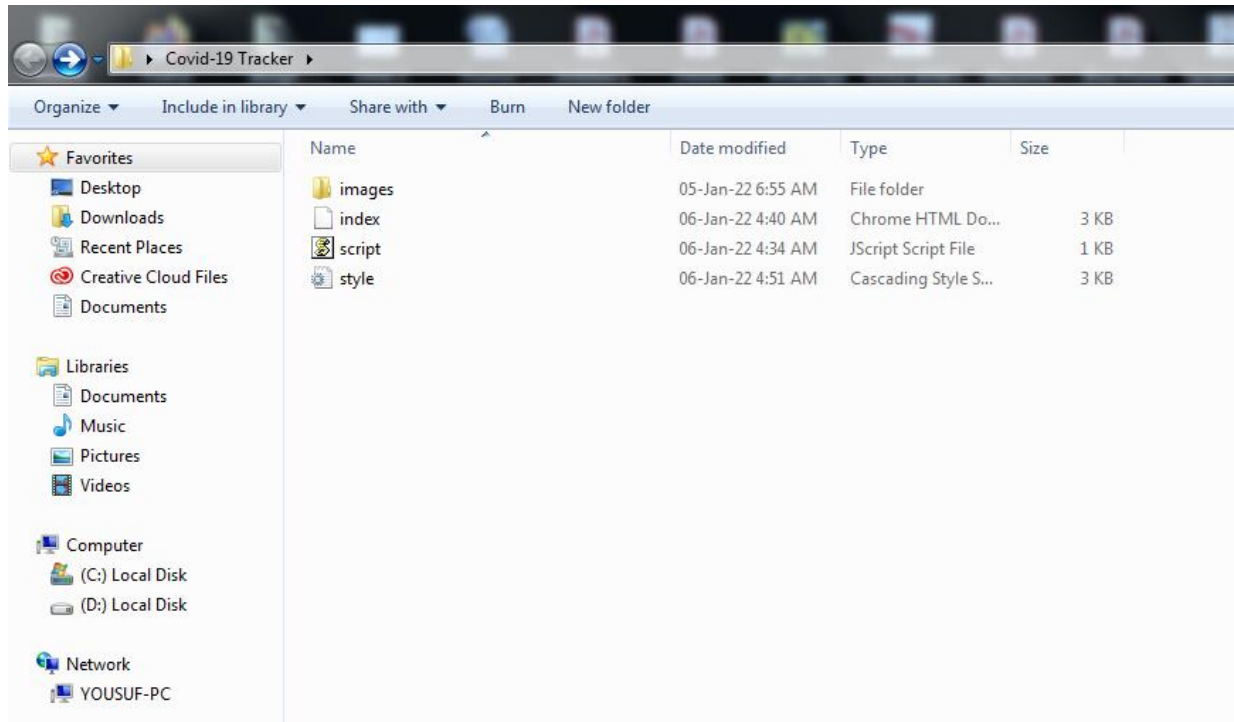
    document.getElementById("Recovered_Cases").innerHTML =
data.recovered;

    document.getElementById("Total_Test_Done").innerHTML =
data.tests;
  });
}

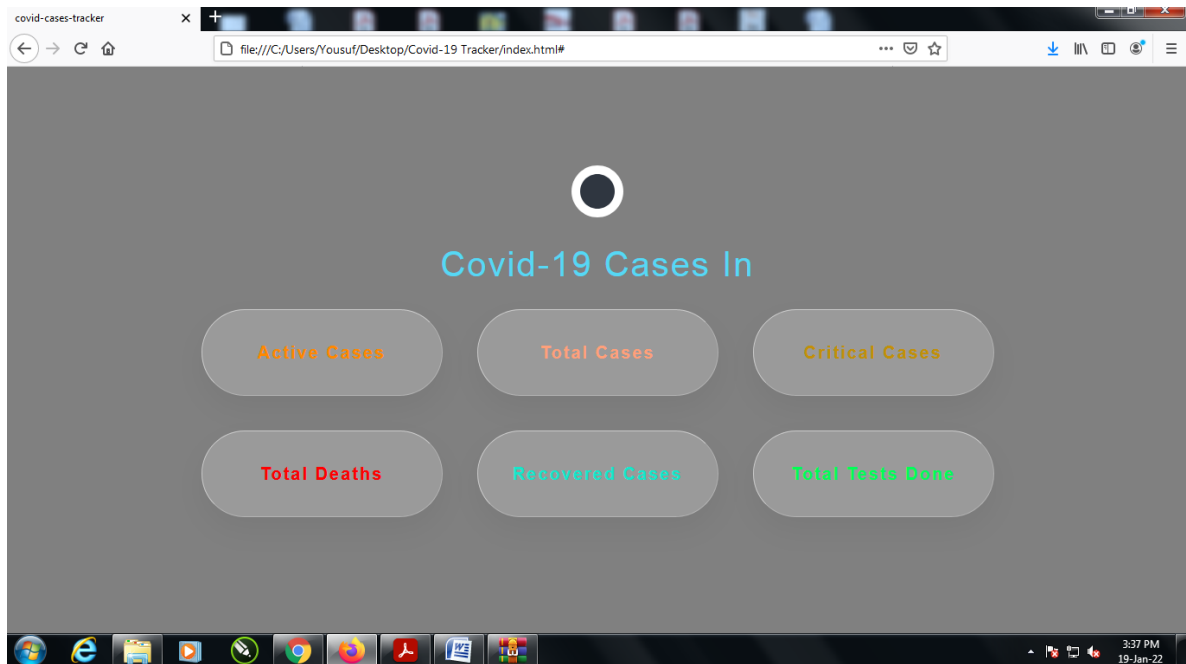
```

# STEPS TO EXECUTE

**STEP 1:** OPEN THE FILE FROM THE FOLDER.



**THE BROWSER WILL OPEN**



**STEP 2:** TAKE A CURSOR TO THE CIRCLE SHOWN IN THE BELOW FIGURE.



**THE TEXT AREA WILL APPEAR**

**STEP 3:** TYPE THE COUNTRY NAME.



india

Covid-19 Cases In

**STEP 4:** THEN CLICK THE GO BUTTON.



**THE DATA IS SHOWN**

## **CONCLUSION**

We proposed a miniproject and named as **COVID - 19 CASES STATISTICS USING JAVASCRIPT** to provide motivation and collaborative learning in the Web environment. Our webpage also encourages everyone to interchange their own peculiar environmental characteristics on Web development. Using the proposed project, every person can strengthen research and This project encourage us to exercise life skills such as **problem solving, communication skills and team work**. It is beneficial to know the update regarding COVID – 19 cases.

There are some more features that had to be dropped during the development of this project due to lack of time. A proper development system where the users receives better weapons or more health over time, has also been discussed. Special designs in the page can also be implemented.

**FOUZIYA BEGUM - 245219733301**  
**MOHD SAIFUDDIN – 245219733019**  
**SYED SUBAAN SHAREEF – 245219733023**

***END OF THE PROJECT***