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Bengaluru, Karnataka, India



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AN INTERNSHIP REPORT
ON

## "Tribute To Doctors"

**Bachelor of Engineering**

**In**
**Electronics and Communications Engineering**

**Submitted by: Hullura H.R(1BG18EC043)**



## BNM INSTITUTE OF TECHNOLOGY
## 2020-2021

# ABOUT THE COMPANY

IC Solution (ICS) is a digital service provider that aims to provide software, designing and marketing solutions to individuals and businesses. At ICS, we believe that service and quality is the key to success

We provide all kinds of technological and designing solutions from Billing Software to Web Designs or any custom demand that you may have. Experience the service like none other!

Some of our services include:

Development - We develop responsive, functional and super-fast websites.
We keep User Experience in mind while creating websites. A website should load quickly and should be accessible even on a small view-port and slow internet connection.

Mobile Application - We offer a wide range of professional Android, iOS& Hybrid app development services for our global clients, from a startup to a large enterprise.

Design - We offer professional Graphic design, Brochure design & Logo design. We are experts in crafting visual content to convey the right message to the customers.

Consultancy - We are here to provide you with expert advice on your design and development requirement.

Videos - We create a polished professional video that impresses your audience.

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# 1. OVERVIEW OF THE PROJECT

**Project Name:** Tribute to Doctors

**Team Members:** Varshitha HV

                    Hullura HR

                    Khizar Karanam

                    Ambika H

This project is based on Web Development And its Applications. The main objective of this project is to learn the implementation of HTML, CSS and JavaScript. The basic webpage of this project is created using HTML and styling of the webpage is done using CSS.

This Web page contains information about number of carona cases and this web is tribute to doctors.

The Doctors and healthcare workers had sacrificed a lot for our well being. So this page is a small tribute them.

# 2. INTRODUCTION

The pandemic put the country in a situation that it had not faced ever before. From the beginning, when there was little to no information or understanding on Covid- 19, doctors, and healthcare workers have been putting to good use their knowledge and experience in treating the patients. Thousands of healthcare personnel have been working round the clock to con front it head-on.

During the peak seasons of the Corona virus pandemic, and in the absence of a vaccine, the doctors risked their lives, with those of their family members too, had to stay away from their family, for the sake of humanity and not adding to the spread of the virus. During this time, doctors were showered with flowers and claps in acknowledgment of their hard work, but some unfortunate ones also became the victim of people's helplessness and frustration.

According to studies, doctors, including counselors and psychologists experienced mental health issues during the pandemic. Apart from staying away from their family members, risking and exposing themselves to the virus and physical stress, doctors and healthcare workers experienced 'burnout'. Burnout is a mental health issue that is described as a triad of emotional exhaustion, depersonalization (loss of one's empathy, caring and compassion) and a decreased sense of accomplishment.

According to the Department of Psychiatry, National Institute of Mental health &Neurosciences, steps need to be taken proactively to ensure the personnel's mental health remains in control and they practice self-care. The pandemic had a huge impact on the mental wellbeing of people, mostly due to the unprecedented challenges It brought with itself, both on personal and professional fronts.

# Tribute to doctor

However, during this time, Psychologists, Psychiatric and counselors went a step forward to come to help those who needed their help, by offering online therapy services as and when required by their patients.

Needless to say, doctors, nurses and people working in healthcare sectors are vulnerable to the highly infectious disease, but this did not stop them from leading from the front. During this time, all the doctors, nurses, ambulance drivers, and other healthcare workers have truly emerged real-life heroes and deserve to be celebrated. Now we are giving a small tribute to our doctors who made these many efforts and stillmakingeffortsagainstcovid-19 by creating a website to thank them.

# 3. ANALYSIS

This section of the paper is broadly divided into two parts: analysis of the available data and modelling of the pandemic to obtain pandemic parameters. Active cases (Q) in India has crossed 0.6 million and active cases per day have touched 20,000 during the start of last week of July. It is interesting to note that after the last week of July, active cases per day are mostly less than 10,000 cases (and seems to be going down). If this trend continues, that may correspond to peak or some interim plateau. Doubling rate of the total positive cases on $n^{th}$ day is defined as the number of days required for the case on $n^{th}$ day to get double. From 4 days of doubling rate during the first week of March to 26 days in the last week of August, doubling rate is improved significantly. Recovery rate, i.e., defined as the ratio of the number of cases recovered on $n^{th}$ day to the total active cases on the same day. Recovery rate is increased from around 10% in the first week of March to more than 75% in the last week of August. India, during the initial days of the pandemic, was blamed for testing less among its population. Correlation coefficient between reported positive cases (Q+R) and the test per million is determined. High positive correlation coefficient between positive cases on a day with the test on the same day is as expected. However, it is interesting to note, with more than 6 lakhs High positive correlation coefficient between positive cases on a day with the height on the same day is as expected. However, it is interesting to note, with more than 6 lakhs test per million this coefficient comes down to 0.72. Based on this, it can be concluded that the test of 6 lakhs per day would be sufficient to detect most of the infections.
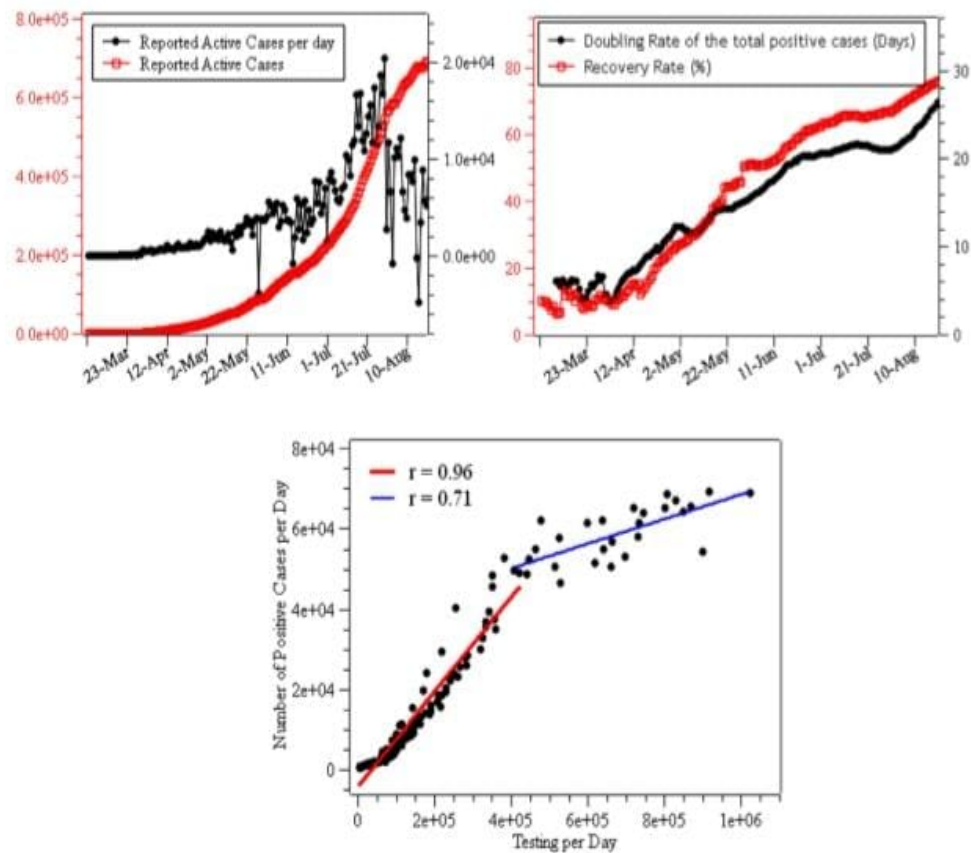
Figure:(a) Reported active cases (Q) and active cases per day in India from 15th March to 22nd August 2020. (b) Doubling rate of the total reported positive cases (days) and recovery rate (%) from the reported data of India from 15th March to 22nd August 2020. (c)Determination of correlation coefficient between number of positive cases per day and the tests per day
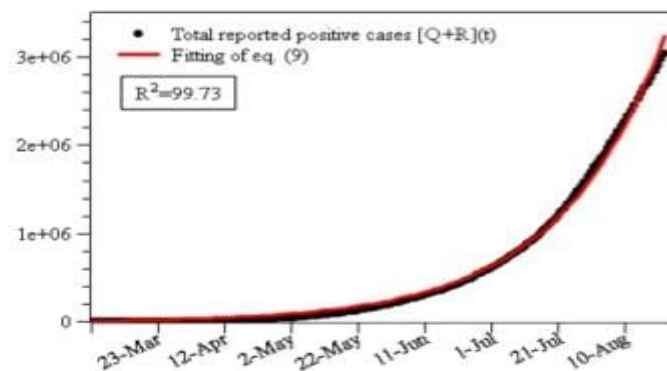


Figure:Plot of rate of removal of quarantine cases ($\gamma$) (with error bound) at every eighth day starting from 15th March using .

Determination of the rate of detection of new cases from infectious individuals ($\eta$) is not straight forward due to insufficient data of asymptotes in the infectious Indian population. However, a range of value of ($\eta$) from the studies based on the incubation period with the assumption on a fraction of infectious population is widely used. Rate of detection of new cases from infectious individuals depends not only to the incubation period but also to the fraction of infected individuals getting positive and quarantined just after the incubation period. On average, it takes 6.93 days for an infectious individual to get symptoms in India. If that individual gets quarantined on that day only, this rate can be written as $\eta=16.93\times\mu$, where $\mu$ is the fraction of the infected individuals that get quarantined. It has been reported that in Japan 50% of the population is asymptotic. However, no similar studies can be found for India. In this case three different value of $\mu$ is considered to get the worst and best-case scenario. It is assumed that either 10%, 30% or 50% of the total infected population will get quarantined.

# 4. SYSTEM REQUIREMENTS SPECIFICATIONS

## 3.1 System configurations

The software requirement specification can produce at the culmination of the analysis task. The function and performance allocated to software as part of system engineering are refined by established a complete information description, a detailed functional description, a representation of system behavior, and indication of performance and design constrain, appropriate validate criteria and other information requirements.

## 3.1 Software requirements:

 Operating System                : Windows

Coding Language                : HTML

Text Editor                          : VS CODE/SublimeText3.

## 3.2 Hardware Requirements:

 Processor                          : Intelcorei3

Memory                             : 8GBRAM

 Hard Disk                           : 1TB

# 5. TECHNOLOGY (HTML)

HTML" stands for Hypertext Markup language. Basically, HTML is used to markup a web page by using HTML attributes. Html was created by "Sir Berners-Lee" in 1991. Later on, in 1995 HTML 2.0 was published with some extra specification.

After the success of HTML 2.0 in 1999 HTML 4.0.1 was published. Though HTML 4.01 version is used currently we are having HTML-5 version which is an extension to HTML 4.01, and this version was published in 2012. Every language has its own block where we write our code similarly HTML has also its own block which starts with <HTML> and ends with </HTML>.

Html code is written by the programmer and it is saved as .html or. Htm extension and viewed by any respected browser (i.e., Google Chrome, Firefox etc.). To learn HTML there is no need for backup of any other language. You can easily learn HTML by knowing some tag of HTML and some other basic thing.

As we know that HTML is a markup language that is used for formatting web pages of websites.

Here are some **advantages of HTML** which is following as:

• HTML can be integrated easily with JavaScript, jQuery and CSS.

• Easy to understand due to a relevant and memorable HTML tag

• HTML supported by all browsers(i.e.,Google Chrome, OperaMini, Mozilla Firefox and many more browser)

• HTML is light weighted and fast to load

5. HTML is a free and open-source markup language, you don't need to buy a single line of code to design your website.

6. HTML have many tags and attributes which will short your line of code.

# 6. CODING

**Front End:**

```
<html>
<head>
<title>Welcometomy website</title>
</head>
<body>
<header>Thisistributetodoctors</header>
<h1>WELCOME</h1>
<p>Doctors</p>
<videowidth="320"height="240"controls>
<sourcesrc="vedio.mp4"type="video/mp4">
<sourcesrc="vedio.mp4"type="video/ogg">Yourbrowse
rdoesnotsupportthevideotag.
</video>
<audiocontrols>
<sourcesrc="audio"type="audio/ogg">
<sourcesrc="audio"type="audio/mpeg">
Yourbrowserdoesnotsupporttheaudio element.
</audio>
<imgsrc="GIF.gif"alt="GIF"style="width:320px;px;height:240px;px;">
<imgsrc="NDD.jpg"alt="tributetodoctors">
<p>Numberofpositivecases inIndia=33027621</p>
<p>TotalnumberofdeathsinIndia=440785</p>
<p>TotalnumberofrecoveredcasesinIndia=32181995</p>
<footer>Thankyoudoctors</footer>
</body>
</html>
```
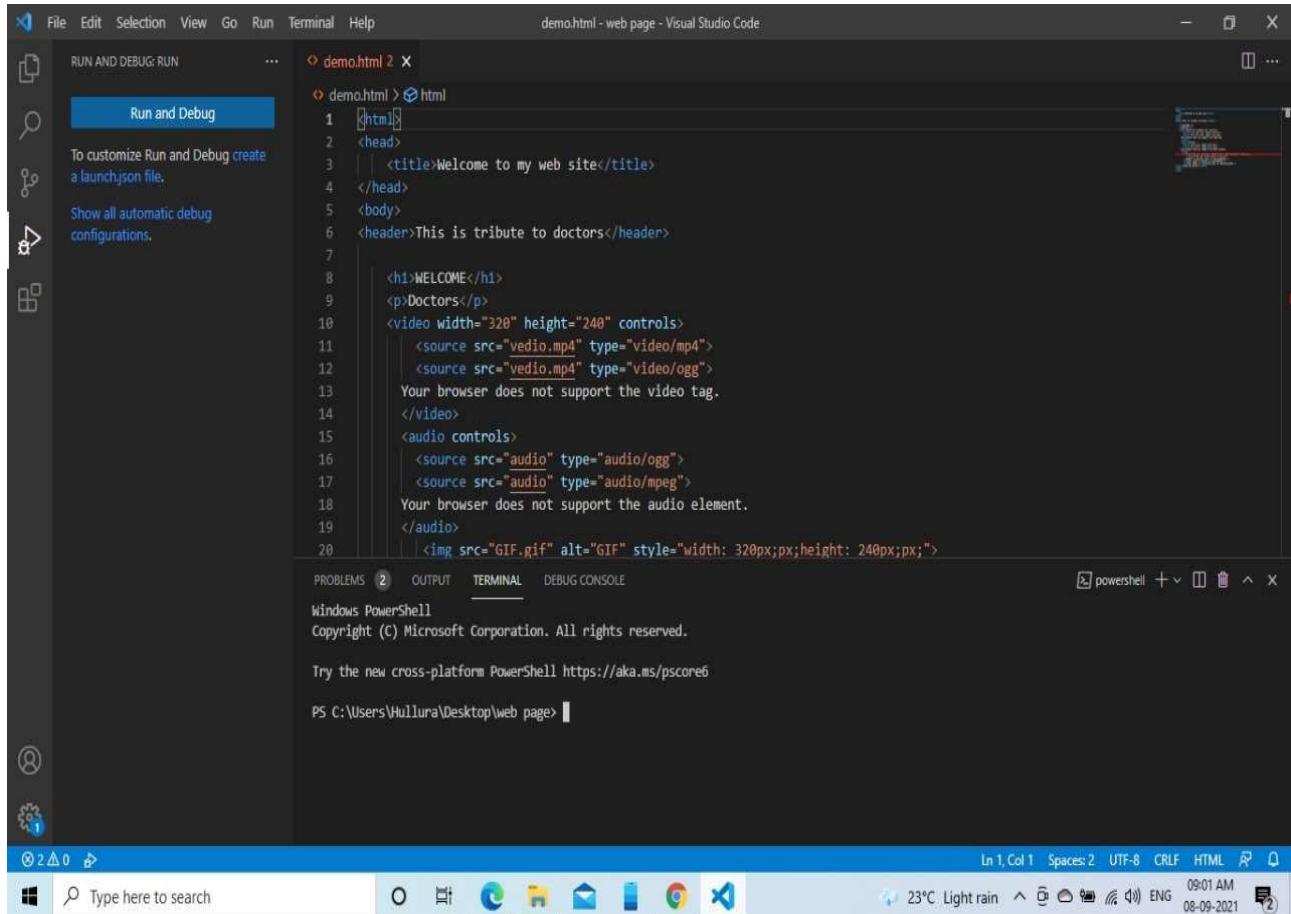
# 7. SCREENSHOTS

- Working of visual studio

- Output of our website

# 8. CONCLUSION

COVID-19 has made this a challenging time for everyone. But no one has faced the realities of the pandemic more continuously and more completely than our frontline healthcare workers. They face the same fears and restrictions we all do at home, but they're committed to dealing with the virus face to face everyday at work as well.

It's a monumental task. As a community, everyone has made signs and sent cards and flowers and meals. We've relished and appreciated every single one. But as the virus surges, our doctors need that encouragement now more than ever. And we're making a website using HTML to thank our healthcare heroes for their grateful work in this dangerous pandemic

Using our website, we can thank and encourage our covid heroes, so they know how much they're still thought of and appreciated. We are making a website as a tribute to our doctors, who saved our lives and risked theirs and fought and still fighting against covid in this worst conditions. Our website is just like a thanking card to the doctors. As we open our HTML website a big thanks will be displayed on the screen as a tribute to the doctors

# 9. BIBLIOGRAPHY

- https://www.w3schools.com
- https://www.geeksforgeeks.org
- https://freefrontend.com

# About my TEAM

**Team Members:** Varshitha HV

Hullura HR

Khizar Karanam

Ambika H

Everyone of us has did same amount of work we divided each work equally.