

COMPSOFT TECHNOLOGIES

Bengaluru, Karnataka, India



AN INTERNSHIP REPORT

ON

“VTU SGPA&CGPA CALCULATOR”

Bachelor of Engineering

In

Computer Science and Engineering

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Group Name: sha-md



GHOUSIA COLLEGE OF ENGINEERING , RAMANAGARAM

ABOUT THE COMPANY

We are 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 start up 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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OVERVIEW OF THE PROJECT

Project Name: VTU SGPA & CGPA CALCULATOR

Team Members: Shahid Nazir Shah
Md Shahnawaz Khan

This project is based on Web Development And its Applications. The main objective of this project is to learn the implementation of HTML,CSS,JavaScript,Bootstrap,Database.The aim of this project is to calculate sgpa and cgpa.

ABOUT SGPA AND CGPA

Student Grade Point Activity ior SGPA is calculated at the end of a semester at the school or college. The formula for calculation of SGPA is the sum of all the credit points awarded for the subjects divided by total credits allotted to that semester.

Whereas, Commulative Grade Point Average or CGPA is used to measure the overall academic performance of the students in schools and colleges. The formula for calculating the CGPA is sum of total SGPA in all semesters divided by total no. of credit hours.

TOOLS USED

Software Requirements

- Visual Studio Code 2019.
- Google Chrome or Microsoft Edge of latest version.
- HTML, CSS, JS ,Bootstrap,jquery.
- Linux 7.1 or Windows XP/7/8/10 OS or Mac OS

Hardware Requirements

- Pentium 200-MHz computer with a minimum of 64 MB of RAM (128 MB of RAM recommended).
- Monitor with a refresh rate of at least 40Hz for a smooth GUI experience (optional).

IMPLEMENTATION

Source Code (index.HTML):

```
<!DOCTYPE HTML>

<html lang="en">

<head>

    <title>VTU Calculator</title>

    <meta name="viewport" content="width=device-width,
initial-scale=1">

    <meta charset="utf-8">

    <meta name="keywords" content="sgpa Calculator, Calculator, cgpa
Calculator, VTU, cbcs,non cbcs" />

    <script>

        addEventListener("load", function () {

            setTimeout(hideURLbar, 0);

        }, false);

        function hideURLbar() {

            window.scrollTo(0, 1);

        }

    </script>

    <!-- Bootstrap Core CSS -->

    <link href="static/css/bootstrap.css" rel='stylesheet'
type='text/css' />

    <!-- Custom CSS -->

    <link href="static/css/style.css" rel='stylesheet'
type='text/css' />
```

```

        <!-- font-awesome icons -->

        <link href="static/css/fontawesome-all.min.css"
rel="stylesheet">

        <!-- pop up box -->

        <link href="static/css/popup-box.css" rel="stylesheet"
type="text/css" media="all" />

        <link rel="stylesheet" href="static/css/owl.carousel.css"
type="text/css" media="all">

        <link rel="stylesheet" href="static/css/owl.theme.css"
type="text/css" media="all">

        <!-- Carousel (for News section) -->

        <!-- //Custom Theme files -->

        <!-- online fonts -->

        <!-- <link
href="//fonts.googleapis.com/css?family=Poppins:100,100i,200,200i,300,3
00i,400,400i,500,500i,600,600i,700,700i,800,800i,900,900i"

        rel="stylesheet">

        <link
href="//fonts.googleapis.com/css?family=Gentium+Book+Basic:400,400i,700
i" rel="stylesheet"> -->

        <!--//online fonts -->
</head>

<body>

    <!-- header -->

    <header>

        <div class="header-bottom">

            <div class="container">

                <nav class="navbar navbar-expand-lg navbar-light
p-0">

                    <h1><a class="navbar-brand" href="index.html">

```

```
                VTU Calculator
            </a></h1>

            <button class="navbar-toggler ml-lg-auto
ml-sm-5" type="button" data-toggle="collapse"
data-target="#navbarSupportedContent"

                aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">

                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse"
id="navbarSupportedContent">

                <ul class="navbar-nav text-center ml-auto">

                    <li class="nav-item mr-lg-3 mt-lg-0
mt-4">

                        <a class="hover-fill"
aria-pressed="false" href="index.html" data-txthover="PERCENTAGE
CALCULATOR">PERCENTAGE CALCULATOR</a>

                    </li>

                    <li class="nav-item mr-lg-3 mt-lg-0
mt-4">

                        <a class="hover-fill"
aria-pressed="false" href="sgpa.html" data-txthover="SGPA
CALCULATOR">SGPA CALCULATOR</a>

                    </li>

                    <li class="nav-item">

                        <a class="hover-fill"
aria-pressed="false" href="cgpa.html" data-txthover="CGPA
CALCULATOR">CGPA CALCULATOR</a>

                    </li>

                </ul>

            </nav>
```

[illegible]

```

class="form-control" id="gpa" name="gpa" placeholder="CGPA/SGPA"
required>

        </div>

    </div>

</div>

</div>

</fieldset>

<br>

    <div class='text-center' style="margin-top:
10px">

        <button type="submit"
class="get-started-btn">Calculate Percentage</button>

    </div>

</form>

</div>

</div>

<div class="row">

    <div class="col">

        <fieldset disabled>

            <div class="container" style="margin:0 auto;
width: 50%;">

                <legend>Result</legend>

                <div class="form-row">

                    <div class="form-group col-md-6 mb-4">

                        <label
class="col-form-label">Percentage</label>

                        </div>

                        <div class="col-md-6 mb-4">

                            <input type="text" id="percentage"
class="form-control" placeholder="Percentage">

```

```
        </div>

    </div>

</div>

</fieldset>

</div>

</div>

</section>

</div>

</div>

<!-- js -->

<script src="static/js/jquery-2.2.3.min.js"></script>

<!--pop-up-box -->

<script src="static/js/jquery.magnific-popup.js"></script>

<script type="text/javascript">

    document.getElementById('cgpac').onsubmit = function() {

        var percentage;

        var g = document.getElementById('gpa').value;

        percentage = (g-0.75)*10;

        document.getElementById('percentage').value =

percentage.toFixed(2);

        return false;

    };

</script>

<script>

    $(document).ready(function () {

        $('.popup-with-zoom-anim').magnificPopup({

            type: 'inline',
```

```
        fixedContentPos: false,
        fixedBgPos: true,
        overflowY: 'auto',
        closeBtnInside: true,
        preloader: false,
        midClick: true,
        removalDelay: 300,
        mainClass: 'my-mfp-zoom-in'
    });
});

</script>
<!-- //pop-up-box -->
<!-- start-smooth-scrolling -->
<script src="static/js/move-top.js" ></script>
<script src="static/js/easing.js"></script>
<script>
    jQuery(document).ready(function ($) {
        $(".scroll").click(function (event) {
            event.preventDefault();

            $('html,body').animate({
                scrollTop: $(this.hash).offset().top
            }, 1000);
        });
    });
</script>
<!-- //end-smooth-scrolling -->
<!-- carousel -->
```

```
<script src="static/js/owl.carousel.js"></script>

<script>

    $(document).ready(function() {

        $('.owl-carousel').owlCarousel({

            loop: true,

            margin: 10,

            responsiveClass: true,

            responsive: {

                0: {

                    items: 1,

                    nav: true

                },

                600: {

                    items: 1,

                    nav: false

                },

                900: {

                    items: 1,

                    nav: false

                },

                1000: {

                    items: 3,

                    nav: true,

                    loop: false,

                    margin: 20

                }

            }

        })

    })
```



```
    })

</script>

<!-- //carousel -->

<!-- smooth-scrolling-of-move-up -->
<script>
    $(document).ready(function () {
        /*
        var defaults = {
            containerID: 'toTop', // fading element id
            containerHoverID: 'toTopHover', // fading element
            hover id

            scrollSpeed: 1200,
            easingType: 'linear'
        };
        */

        $.UItoTop({
            easingType: 'easeOutQuart'
        });

    });
</script>

<script src="static/js/SmoothScroll.min.js"></script>
<script src="static/js/bootstrap.js"></script>
</body>
</html>
```

IMPLEMENTATION

Source Code (style.CSS):

```
html,
```

```
body {  
    font-family: 'Poppins', sans-serif;  
    font-size: 100%;  
    overflow-x: hidden;  
    background: #fff;  
}
```

```
body a,  
.btn-agile {  
    transition: 0.5s all;  
    -webkit-transition: 0.5s all;  
    -moz-transition: 0.5s all;  
    -o-transition: 0.5s all;  
    -ms-transition: 0.5s all;  
    text-decoration: none;  
}
```

```
h1,  
h2,  
h3,  
h4,  
h5,  
h6 {  
    margin: 0;  
    font-family: 'Poppins', sans-serif;  
}
```

```
p {  
    line-height: 1.8;  
    font-size: 15px;  
    color: #777;  
    margin: 0;  
}
```

```
ul {  
    margin: 0;
```

```
padding: 0;
}

li {
  list-style-type: none;
  font-size: 0.95em;
}

a {
  font-size: 0.95em;
}

body a:hover {
  text-decoration: none;
}

input[type="submit"] {
  cursor: pointer
}

/* banner */
.dropdown-menu a {
  display: block;
  margin: 10px 0;
  color: #000 !important;
}

.dropdown-menu {
  padding: 0.5rem 1rem 1rem;
}

/*-- bottom-to-top --*/
#toTop {
  display: none;
  text-decoration: none;
  position: fixed;
```

```
bottom: 79px;
right: 2%;
overflow: hidden;
z-index: 999;
width: 35px;
height: 35px;
border: none;
text-indent: 100%;
background: url(../images/move-top.png) no-repeat 0px 0px;
border-radius: 50%;
-webkit-border-radius: 50%;
-o-border-radius: 50%;
-moz-border-radius: 50%;
}

#toTopHover {
    width: 32px;
    height: 32px;
    display: block;
    overflow: hidden;
    float: right;
    opacity: 0;
    -moz-opacity: 0;
    filter: alpha(opacity=0);
}

/*-- //bottom-to-top --*/
/* header */
a.navbar-brand {
    font-size: 30px;
    letter-spacing: 1px;
    font-weight: 600;
    color: #ffa519;
}

a.navbar-brand span {
    font-size: 43px;
```

```
color: #ffa519;
font-weight: 600;
line-height: 30px;
}

a.navbar-brand span:last-child {
  display: inline-block;
  left: 60px;
  top: 21px;
  position: absolute;
}

i.w3-spacing {
  margin-right: 16px;
  margin-left: 6px;
}

.navbar-light .navbar-nav .nav-link {
  font-weight: 600;
  text-transform: capitalize;
  color: #000;
  letter-spacing: 1px;
}

.navbar-light .navbar-nav .nav-link:hover,
.navbar-light .navbar-nav .nav-link:focus,
.navbar-light .navbar-nav .show>.nav-link,
.navbar-light .navbar-nav .active>.nav-link,
.navbar-light .navbar-nav .nav-link.show,
.navbar-light .navbar-nav .nav-link.active {
  color: #6887ff;
  background: #fff;
  border-radius: 5px;
}

ul.d-flex.header-agile li span {
```

```
margin-right: 1em;
color: #ffa519;
}

ul.d-flex.header-agile li:first-child {
    margin-right: 1em;
}

.header-top {
    background: #131313;
}

.hover-fill {
    position: relative;
    font-size: 15px;
    font-weight: 600;
    text-decoration: none;
    text-transform: capitalize;
    color: #000;
    transition: all .3s;
}

.hover-fill:hover {
    color: transparent;
}

.hover-fill:hover:after {
    max-width: 100%;
}

.hover-fill:after {
    content: attr(data-txthover);
    position: absolute;
    top: 0;
    left: 0;
    max-width: 0;
```

```
color: #ffa519;
white-space: nowrap;
overflow: hidden;
transition: max-width .3s ease-out;
}

li.nav-item.active a {
  color: #ffa519;
}

.header-bottom {
  padding: 6px 0 11px;
  background: #eee;
}

/*-- //header --*/
.login-wthree a {
  letter-spacing: 1px;
}

/* banner */
.screenview_bg {
  background: url(../images/bg.jpg) no-repeat;
  -webkit-background-size: cover;
  -moz-background-size: cover;
  -o-background-size: cover;
  -ms-background-size: cover;
  background-size: cover;
  min-height: 700px;
}

.banner-text {
  padding: 15vw 0 14vw;
  box-sizing: border-box;
}

.slider-info h3 {
  font-size: 2.5em;
  color: #fff;
```



```
    letter-spacing: 2px;
    font-weight: 600;
}

.agile-link-bnr {
    padding: 12px 60px;
    color: #fff;
    font-weight: 600;
    letter-spacing: 1px;
    font-size: 17px;
    background: #ffa519;
    border: none;
}

.screen-view-img span {
    background: rgba(0, 0, 0, 0.51);
    border-radius: 50%;
    color: #fff;
    font-size: 25px;
    width: 70px;
    height: 70px;
    line-height: 70px;
    border: 1.5px solid #fff;
}

.screen-view-img {
    padding: 4.5em 0px;
}

.slider-info {
    text-align: right;
}

/* //banner */
.w3l_header h3 {
    font-weight: 600;
    letter-spacing: 2px;
    font-size: 40px;
    color: #000;
    text-transform: capitalize;
    position: relative;
```

```
margin-top: 0;
}
.w3l_header span{
  color: #000;
  font-size: 1em;
  letter-spacing: 5px;
}
.w3l_header h3:after, .w3l_header h3:before {
  content: '';
  background: #ffa519;
  height: 4px;
  width: 4%;
  position: absolute;
  top: 42%;
}
.w3l_header h3:before {
  left: 30%;
}
.w3l_header h3:after {
  right: 30%;
}
/* inner banner */
.inner-banner-w3ls {
  background: url(../images/bg.jpg) no-repeat center;
  -webkit-background-size: cover;
  -moz-background-size: cover;
  -o-background-size: cover;
  -ms-background-size: cover;
  background-size: cover;
  min-height: 150px;
}
/* //inner banner */
/* what we do */
.wthree_features_grid.text-center.p-3.border.rounded {
  background: #ffa519;
```

```
}

.wthree_features_grid span {
    font-size: 28px;
    color: #fff;
}

.agile-why-text h4 {
    font-size: 27px;
    letter-spacing: 1px;
}

.agile-why-text p {
    color: #c5c5c5;
}

a.service-button {
    color: #ffa519;
}

a.service-button:hover {
    color: #000;
}

/* //what we do */
span.process-circle {
    display: block;
    background: #fff;
    width: 25px;
    height: 25px;
    border-radius: 50%;
    border: 5px solid #000;
    margin: 0 auto;
}

.icon_top {
    position: relative
```

```
}  
.icon_middle {  
    padding: 10em 0;  
    position: relative  
}  
  
.process-direction {  
    position: absolute;  
    border-top: 3px dotted #000;  
    transform: rotate(90deg);  
    left: 0%;  
    width: 99%;  
    top: 104px;  
}  
  
.process-direction1 {  
    position: absolute;  
    border-top: 3px dotted #000;  
    transform: rotate(90deg);  
    left: 0%;  
    width: 99%;  
    top: 265px;  
}  
  
/*-- /services--*/  
  
h3.tittle span {  
    display: block;  
    text-transform: uppercase;  
    font-size: 0.3em;  
    color: #ff4081;  
    letter-spacing: 4px;  
    font-weight: 600;  
}  
  
h3.tittle {  
    text-shadow: 2px 2px 2px rgba(41, 41, 41, 0.15);  
    font-size: 3em;  
    color: #333338;
```

```
text-transform: uppercase;
font-weight: 700;
}

section.banner-bottom-wthree.py-5 {
    background: #29aae3;
}

.about-in-w3ls.middle-grid-info .card {
    border: 1px solid transparent;
    background: none !important;
}

.card-body span {
    font-size: 50px;
    color: #ffa519;
}

.about-in-w3ls.middle-grid-info .card-body {
    padding: 0;
}

.about-in-w3ls.middle-grid-info h5.card-title {
    font-size: 1.3em;
    line-height: 1.4em;
    letter-spacing: 1px;
}

/*-- //services--*/

.feedback-top {
    padding: 2em 1em;
}

.feedback-top:after {
    content: '';
    position: absolute;
    top: 100%;
    left: 14%;
    width: 0;
    height: 0;
    border-top: 15px solid rgb(224, 225, 226);
}
```

```
border-right: 4px solid transparent;
border-left: 12px solid transparent;
transform: rotate(0deg);
}

.feedback-top p {
  margin: 0;
}

.feedback-img {
  width: 120px;
  height: 120px;
  border-radius: 50%;
  -webkit-border-radius: 50%;
  -o-border-radius: 50%;
  -ms-border-radius: 50%;
  -moz-border-radius: 50%;
}

.feedback-img img {
  width: 100%;
}

.feedback-img-info h5 {
  color: #f1cf69;
  font-size: 1em;
  letter-spacing: 1px;
  font-weight: 600;
}

.feedback-img-info p {
  color: #6f6b6b;
  margin-top: .5em;
}

.feedback-img-info p span {
  color: #b1b2b3;
```

```
font-size: 0.85em;
}

.icon-test i {
  font-size: 2em;
  color: #fcd000;
  margin-left: .4em;
  position: relative;
}

.icon-test {
  position: relative;
}

.icon-test:before {
  content: " ";
  position: absolute;
  background: #d5d8da;
  width: 77%;
  height: 2%;
  top: 54%;
  right: 5%;
}

/*-- //feedback --*/
/*-- subscribe --*/
.subscribe-info-w3l form {
  display: flex;
  flex-basis: 100%;
  justify-content: center;
}

.subscribe-info-w3l input[type="email"] {
  padding: 14px 15px;
  font-size: 16px;
  color: #fff;
```

```
outline: none;
letter-spacing: 1px;
border: none;
border: 1px solid #b3b0b0;
flex-basis: 50%;
box-shadow: 4px 5px 8px -2px rgba(0, 0, 0, 0.15);
border-radius: 40px 0 0 40px;
}

.subscribe-info-w3l input[type="submit"] {
  color: #fff;
  font-size: 17px;
  letter-spacing: 1px;
  padding: 14px 0;
  border: 1px solid #ffa519;
  background: #ffa519;
  flex-basis: 18%;
  border-radius: 40px;
  margin-left: -2em;
  box-shadow: 1px 5px 7px -1px rgba(0, 0, 0, 0.19);
  -webkit-transition: 0.5s all;
  -moz-transition: 0.5s all;
  transition: 0.5s all;
  cursor:pointer;
}

.subscribe-info-w3l input[type="submit"]:hover {
  background: #111;
  -webkit-transition: 0.5s all;
  -moz-transition: 0.5s all;
  transition: 0.5s all;
}

.subscribe-info-w3l{
  background: #29aae3;
}

p.subc {
```



```
width: 70%;
}

/*-- //subscribe --*/
h3.stat-title {
    color: #000;
    text-transform: capitalize;
    font-size: 2.5em;
    font-weight: 500;
    text-shadow: 0px 1px 1px #000000;
}

ul.list-group span{
    color: #ffa519;
}

/*--footer--*/
h3.footer-title {
    font-size: 24px;
    color: #ffa519;
    border-color: rgba(255, 255, 255, 0.26) !important;
    text-transform: capitalize;
    letter-spacing: 1px;
}

.footer-text p,
ul.links li a,
.contact-info ul li p,
.contact-info ul li a {
    color: #bfbfbf;
    font-size: 15px;
    letter-spacing: 1px;
}

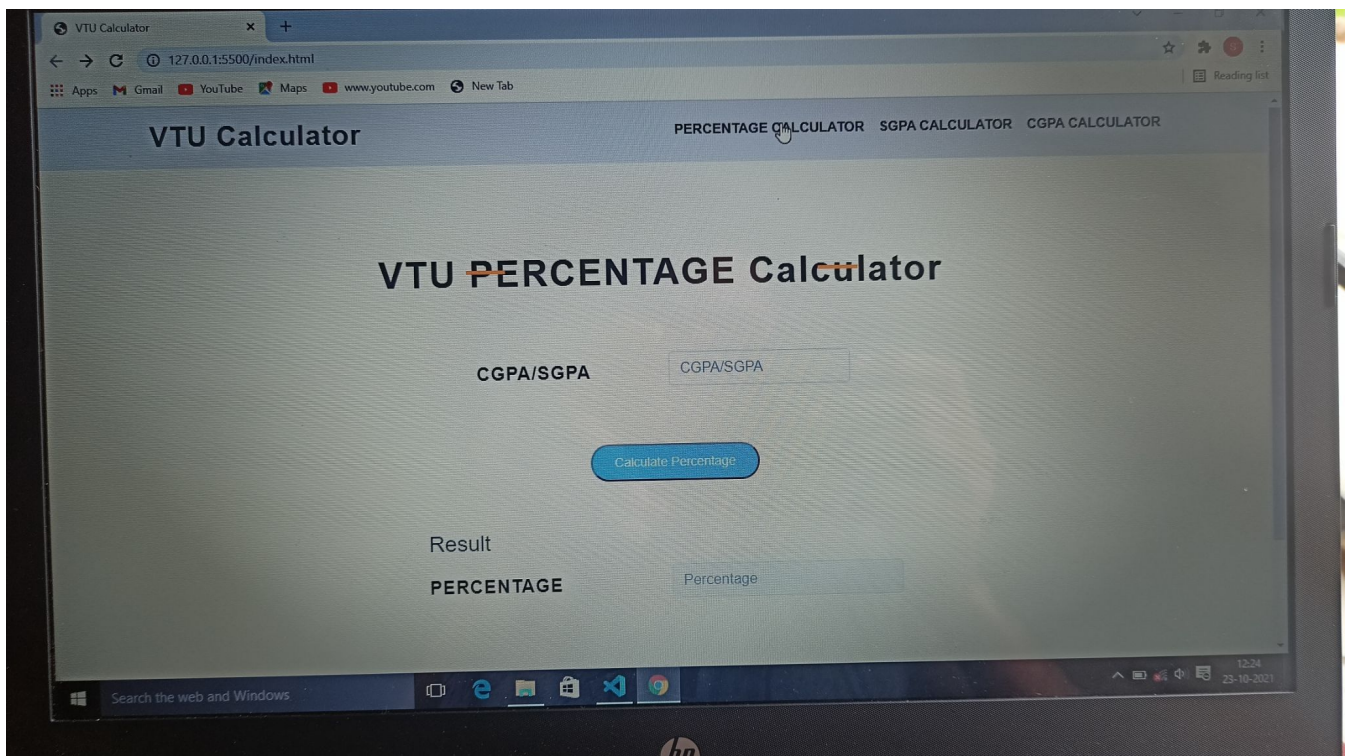
ul.links {
    float: left;
    width: 50%;
}

ul.links li a:hover,
```

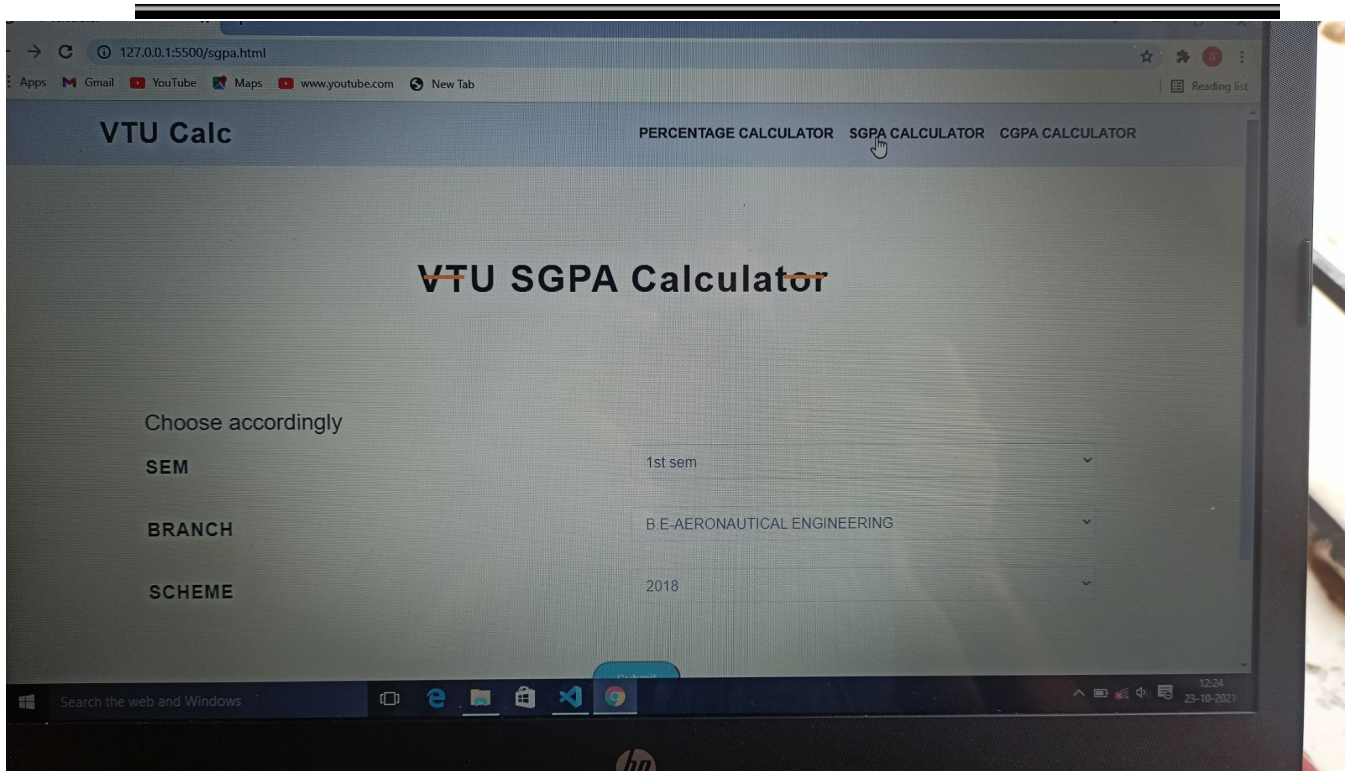
P1

```
.contact-info ul li a:hover {  
  color: #fff;  
}
```

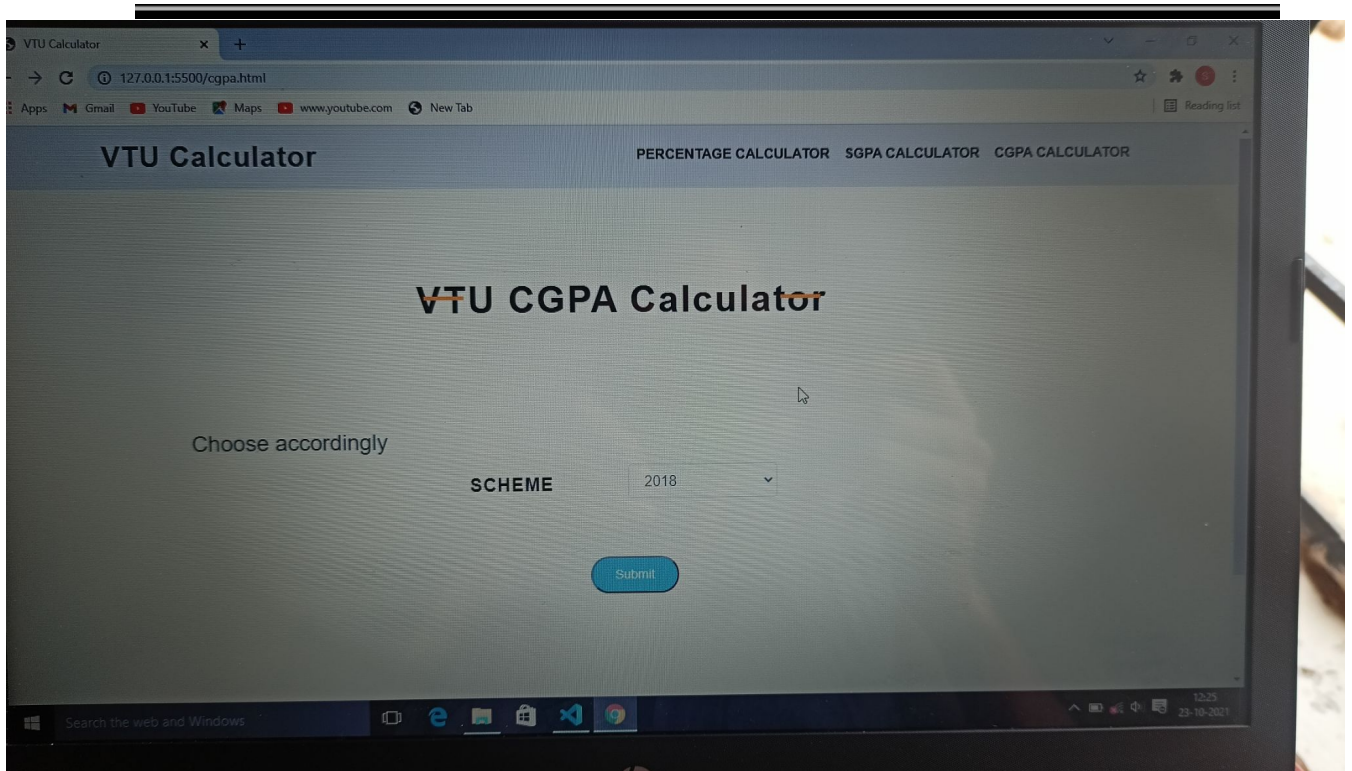
Snapshots :



P1



P1



BIBLIOGRAPHY

- <https://www.w3schools.com>
- <https://www.geeksforgeeks.org>
- <https://github.com>
- <https://javascript.com>

About my TEAM

The name of our team is sha-md.

We are only two people in our group.

- 1.Shahid Nazir Shah
- 2.Md Shahnawaz Khan

Shahnawaz Khan played a vital role in this whole project.He supports me in every condition.

It was very good for us to implement the knowledge that we gain in theory classes.

