Providing a Complete Suite of IT Services
Bengaluru, Karnataka, India

AN
INTERNSHIP REPORT
ON

"VTU SGPA and CGPA Calculator"

Bachelor of Engineering

In
Information Science and Engineering

Submitted by: NAGADEEPIKA M (1BG16IS064)

Vidyayāmruthamashnuthe

B N M Institute of Technology

Approved by AICTE, Affiliated to VTU, Accredited as grade A Institution by NAAC.
All UG branches – CSE, ECE, EEE, ISE & Mech.E accredited by NBA for academic years 2018-19 to 2020-21 & valid upto
30.06.2021

<u>2021</u>

ABOUT THE COMPANY

The race for digital transformation is on. In this globally connected on-demand world with rapid advancements in internet technologies, businesses worldwide are under constant pressure to add innovative real-time capabilities to their applications to respond to market opportunities.

Every business worldwide is building event-driven, real-time applications - from financial services, transportation, and energy, to retail, healthcare, and Gaming companies.
Our endeavour is to make it easy to develop innovative real-time applications and efficient to operate them in production.

We have a proven record of building highly scalable, world-class consulting processes that offer tremendous business advantages to our clients in the form of huge cost-benefits, definitive results and consistent project deliveries across the globe.

We prominently strive to improve your business by delivering the full range of competencies including operational performance, developing and applying business strategies to improve financial reports, defining strategic goals and measure and manage those goals along with measuring and managing them.

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OVERVIEW OF THE PROJECT

Project Name: VTU SGPA and CGPA calculator

Team Members: RACHNA R

NAGADEEPIKA M

This project is to calculate the SGPA and CGPA for the given marks for each subject as per the University norms. The main objective of this project is to learn the implementation of HTML, CSS, JavaScript and MySQL. The basic webpage of this project is created using HTML and styling of the webpage is done using CSS and store the data entered by the user during Login and Signup.

ABOUT VTU SGPA AND CGPA CALCULATOR

CGPA refers to the cumulative grade point average which literally translates to the sum total of all your credit points. This system helps in assessing the overall academic performance of a student. Although the evaluation criteria may vary from one country to another, the CGPA system is among the most common evaluation way in most professional/technical courses.

How to calculate SGPA:

SGPA, which stands for Semester Grade Point Average is an evaluation method that highlights the semester wise performance of the student. It can be calculated by simply adding all the credit points awarded for the subjects and then dividing it by the total credits allotted to that semester.

How to Find CGPA from SGPA:

To find CGPA from SGPA, you need to follow this formula:

CGPA= (SGPAs of All semesters in an academic year)/ Number of semesters

Thus, by adding up all the SGPAs you have got in an academic year by the total number of semesters, you will find CGPA from SGPA.

TOOLS USED

Software Requirements

- Visual Studio Code 2019.

- Google Chrome or Microsoft Edge of latest version.

- Front End: HTML, CSS

- Windows XP 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 (P2.HTML):

Index.html

```html
<!DOCTYPE HTML>
<html lang="en">
<head>
  <title>VTU Calculator | TakeItEasyEngineers </title>
  <style>
    html{
        background:url('background.jpg') no-repeat center center fixed;
        -webkit-background-size:cover;
        -mox-background-size:cover;
        -o-background-size:cover;
        background-size: cover;

    }
  </style>
  <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,300,300i,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,700i"
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 (TIE)
             </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 </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 </a>
              </li>
              <li class="nav-item mr-lg-3 mt-lg-0 mt-4">
                <a class="hover-fill" aria-pressed="false" href="cgpa.html" data-
txthover="CGPA CALCULATOR">CGPA </a>
              </li>
              <li class="nav-item">
                <a class="hover-fill" aria-pressed="false" href="logout.php" data-
txthover="LOGOUT">LOGOUT</a>
              </li>
            </ul>
          </nav>
        </div>
      </div>
    </header>
    <!-- //header -->
    <!-- banner -->
    <div class="screenview_bg bg-theme px-3">
            <div class="container">
        <section class="wthree-row w3-gallery py-5">
            <div class="container py-xl-5">
                <div class="w3l_header pb-3">
          <h3 class="text-center">VTU PERCENTAGE Calculator</h3>
                </div>
      </div>
        <!-- //gallery container -->
```

```
<div class="container">
<div class="login mb-sm-5 px-4 mx-auto mw-100">
<form id="cgpac" action="#" method="post">
  <fieldset>
    <div class="row justify-content-md-center">
      <div class="col-5">
        <div class="form-row">
          <div class="form-group col-md-6 mb-4">
            <label class="col-form-label">CGPA/SGPA</label>
          </div>
          <div class="col-md-6 mb-4">
            <input type="text" 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>
 <!-- //banner -->


 <!-- //footer -->
 <div class="cpy-right">
    <p class="text-white">© <script>document.write(new
Date().getFullYear())</script> Design by De-ra
    </p>
 </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>
```

SGPA.html

```html
<!DOCTYPE HTML>
<html lang="en">
<head>
   <title>VTU Calculator | TakeItEasyEngineers </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">
   </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 (TIE)
                </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 mr-lg-3 mt-lg-0 mt-4">
                            <a class="hover-fill" aria-pressed="false" href="cgpa.html" data-txthover="CGPA CALCULATOR">CGPA CALCULATOR</a>
                        </li>
                        <li class="nav-item">
                            <a class="hover-fill" aria-pressed="false" href="logout.php" data-txthover="LOGOUT">LOGOUT</a>
                        </li>


                    </ul>
                </div>
            </nav>
```

```
        </div>
      </div>
</header>
<!-- //header -->
<!-- banner -->
<div class="screenview_bg bg-theme px-3">
            <div class="container">
    <section class="wthree-row w3-gallery py-5">
            <div class="container py-xl-5">
                <div class="w3l_header mb-sm-5 pb-3">
        <h3 class="text-center">VTU SGPA Calculator</h3>
                </div>
    </div>
    <div class="row">
      <div class="col">
        <div class="container">
        <div class="login mb-sm-5 px-4 mx-auto mw-100">
        <form id="choose" action="#" method="post">
          <fieldset>
            <legend>Choose accordingly</legend>
            <div class="form-row">
              <div class="form-group col-md-6 mb-4">
                <label class="col-form-label">Sem</label>
              </div>
              <div class="col-md-6 mb-4">
                <select class="form-control" id="sem">
                <option value="1st_sem">1st sem</option>
                <option value="2nd_sem">2nd sem</option>
                <option value="3rd_sem">3rd sem</option>
                <option value="4th_sem">4th sem</option>
                <option value="5th_sem">5th sem</option>
                <option value="6th_sem">6th sem</option>
                <option value="7th_sem">7th sem</option>
                <option value="8th_sem">8th sem</option>
```

```
        </select>
      </div>
    </div>
    <div class="form-row">
     <div class="form-group col-md-6 mb-4">
        <label class="col-form-label">Branch</label>
     </div>
     <div class="col-md-6 mb-4">
       <select class="form-control" id="branch">
       <option value="1" >B.E-AERONAUTICAL ENGINEERING</option>
       <option value="2" >B.E-AUTOMOBILE ENGINEERING</option>
       <option value="3" >B.E-BIO-MEDICAL ENGINEERING</option>
       <option value="4" >B.E-BIOTECHNOLOGY</option>
       <option value="5" >B.E-CERAMICS & CEMENT
TECHNOLOGY</option>
       <option value="6" >B.E-CHEMICAL ENGINEERING</option>
       <option value="7" >B.E-CIVIL ENGINEERING</option>
       <option value="8" >B.E-COMPUTER SCIENCE &
ENGINEERING</option>
       <option value="9" >B.E-CONSTRUCTION TECHNOLOGY AND
MANAGEMENT</option>
       <option value="10">B.E-PRECISION MANUFACTURING</option>
       <option value="11">B.E-ELECTRICAL & ELECTRONICS
ENGINEERING</option>
       <option value="12">B.E-ELECTRONICS & COMMUNICATION
ENGINEERING</option>
       <option value="13">B.E-ENVIRONMENTAL
ENGINEERING</option>
       <option value="14">B.E-INDUSTRIAL & PRODUCTION
ENGINEERING</option>
       <option value="15">B.E-INDUSTRIAL ENGINEERING &
MANAGEMENT</option>
       <option value="16">B.E-INFORMATION SCIENCE &
ENGINEERING</option>
       <option value="17">B.E-INSTRUMENTATION
TECHNOLOGY</option>
       <option value="18">B.E-MANUFACTURING SCIENCE &
```

```
ENGINEERING</option>
                <option value="19">B.E-MECHANICAL ENGINEERING</option>
                <option value="20">B.E-MECHATRONICS
ENGINEERING</option>
                <option value="21">B.E-MEDICAL ELECTRONICS</option>
                <option value="22">B.E-MINING ENGINEERING</option>
                <option value="23">B.E-POLYMER SCIENCE &
TECHNOLOGY</option>
                <option value="24">B.E-PRINTING TECHNOLOGY</option>
                <option value="25">B.E-SILK TECHNOLOGY</option>
                <option value="26">B.E-TELECOMMUNICATION
ENGINEERING</option>
                <option value="27">B.E-TEXTILE TECHNOLOGY</option>
                <option value="28">B.E-TRANSPORTATION
ENGINEERING</option>
                <option value="29">B.E-TOOL ENGINEERING</option>
              </select>
            </div>
          </div>
          <div class="form-row">
            <div class="form-group col-md-6 mb-4">
              <label class="col-form-label">Scheme</label>
            </div>
            <div class="col-md-6 mb-4">
              <select class="form-control" id="scheme">
              <option value="2018_scheme">2018</option>
              <option value="2017_scheme">2017</option>
              <!-- <option value="2015_scheme">2015</option> -->
              </select>
            </div>
          </div>
        </fieldset>
        <br>

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

```
                <button type="submit" class="get-started-btn">Submit</button>
            </div>
        </form>
    </section>
                </div>
</div>
<!-- //banner -->


<!-- //footer -->
<div class="cpy-right">
    <p class="text-white">© <script>document.write(new
Date().getFullYear())</script> Design by De-ra
        </p>
</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('choose').onsubmit = function() {
        if (document.getElementById('sem').value=="7th_sem" &&
document.getElementById('scheme').value=="2018_scheme" &&
document.getElementById('branch').value == 8) {
            window.location.replace("calc/"+document.getElementById('scheme').value+'-
'+document.getElementById('sem').value+'s.html');
            return false;
        }
        window.location.replace("calc/"+document.getElementById('scheme').value+'-
'+document.getElementById('sem').value+'.html?br='+document.getElementById('branch').v
alue);
        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>
```

CGPA.html

```
<!DOCTYPE HTML>
<html lang="en">
<head>
    <title>VTU Calculator | TakeItEasyEngineers</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 -->
```

```html
<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,300,300i,400,400i,500,500i,600,6
00i,700,700i,800,800i,900,900i"
     rel="stylesheet">
<link href="//fonts.googleapis.com/css?family=Gentium+Book+Basic:400,400i,700i"
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 (TIE)
            </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 mr-lg-3 mt-lg-0 mt-4">
```

```html
                <a class="hover-fill" aria-pressed="false" href="cgpa.html" data-txthover="CGPA
CALCULATOR">CGPA CALCULATOR</a>
                </li>
                <li class="nav-item">
                    <a class="hover-fill" aria-pressed="false" href="logout.php" data-
txthover="LOGOUT">LOGOUT</a>
                </li>
            </ul>
        </div>
    </nav>
  </div>
  </div>
</header>
<!-- //header -->
<!-- banner -->
<div class="screenview_bg bg-theme px-3">
            <div class="container">
    <section class="wthree-row w3-gallery py-5">
            <div class="container py-xl-5">
                <div class="w3l_header mb-sm-5 pb-3">
        <h3 class="text-center">VTU CGPA Calculator</h3>
                </div>
    </div>
    <div class="row">
      <div class="col">
        <div class="container">
        <div class="login mb-sm-5 px-4 mx-auto mw-100">
        <form id="choose" action="#" method="post">
          <fieldset>
            <legend class="pl-5">Choose accordingly</legend>
            <div class="form-row">
              <div class="col-md-4"></div>
            <div class="form-group col-md-2 mb-4">
              <label class="col-form-label">Scheme</label>
            </div>
            <div class="col-md-2 mb-4">
              <select class="form-control" id="scheme">
                <option value="2018_scheme">2018</option>
                <option value="2017_scheme">2017</option>
              </select>
            </div>
          </div>
          </fieldset>
          <br>
```

```html
            <div class='text-center' style="margin-top: 10px">
              <button type="submit" class="get-started-btn">Submit</button>
            </div>
          </form>
      </section>
              </div>
  </div>
  <!-- //banner -->


  <!-- //footer -->
  <div class="cpy-right">
     <p class="text-white">© <script>document.write(new Date().getFullYear())</script> Design by
De-ra
     </p>
  </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('choose').onsubmit = function() {
     window.location.replace("calc/"+document.getElementById('scheme').value+'.html');
     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>

<a href="logout.php">
  <button>Logout</button>
</a>
</body>
</html>
```

IMPLEMENTATION

Source Code (P2.CSS):

```css
* {
  margin: 0;
  padding: 0;
  box-sizing: border-box;
}

body {
  font-family: 'Poppins', sans-serif;
  display: flex;
  justify-content: center;
  align-items: center;
  min-height: 100vh;
  background: #00a8ff;
}

.wrapper {
  background: white;
  padding: 30px 15px;
  width: 370px;
}

.wrapper .title {
  border-left: 5px solid #00a8ff;
  padding-left: 5px;
  margin-bottom: 15px;
}

.input-field {
  display: block;
  margin: 10px 0;
  width: 100%;
}

.input-field .input-label {
  display: block;
  font-size: 15px;
  margin-bottom: 2px;
}
```

```css
.input-field .input {
    font-family: 'Poppins', sans-serif;
    border: 1px solid #ccc;
    background: transparent;
    outline: none;
    width: 100%;
    padding: 10px;
    font-size: 15px;
    transition: 0.3s all ease;
}

.input-field .input:focus {
    border-color: #00a8ff;
}

.btn {
    font-family: 'Poppins', sans-serif;
    background: #00a8ff;
    color: white;
    padding: 10px;
    width: 100%;
    font-size: 15px;
    border: 1px solid transparent;
    cursor: pointer;
    margin: 5px 0;
    transition: 0.3s all ease;
}

.btn:hover, .btn:focus {
    background: transparent;
    border-color: #00a8ff;
    color: #00a8ff;
}

.wrapper .form p {
    margin: 5px 0;
    text-align: center;
}

.wrapper .form p a {
    text-decoration: none;
    color: #333;
    transition: 0.3s all ease;
}
```

```
.wrapper .form p a:focus, .wrapper .form p a:hover {
    color: #00a8ff;
}
```

IMPLEMENTATION

Source Code (P2.JS)

```
jQuery.noConflict();
jQuery(document).ready(function($){


function lightboxPhoto() {

        jQuery("a[data-gal^='prettyPhoto']").prettyPhoto({
                    animationSpeed:'fast',
                    slideshow:5000,
                    theme:'light_rounded',
                    show_title:false,
                    overlay_gallery: false
            });

    }

            if(jQuery().prettyPhoto) {

            lightboxPhoto();

    }


if (jQuery().quicksand) {

        // Clone applications to get a second collection
        var $data = $(".portfolio-area").clone();

        //NOTE: Only filter on the main portfolio page, not on the subcategory pages
        $('.portfolio-categ li').click(function(e) {
                $(".filter li").removeClass("active");
                // Use the last category class as the category to filter by. This means that multiple
categories are not supported (yet)
                var filterClass=$(this).attr('class').split(' ').slice(-1)[0];

                if (filterClass == 'all') {
                        var $filteredData = $data.find('.portfolio-item2');
                } else {
                        var $filteredData = $data.find('.portfolio-item2[data-type=' + filterClass + ']');
                }
                $(".portfolio-area").quicksand($filteredData, {
                        duration: 600
```

```
                    adjustHeight: 'auto'
        }, function () {

                        lightboxPhoto();
                                    });
        $(this).addClass("active");
        return false;
    });

}//if quicksand

});
```
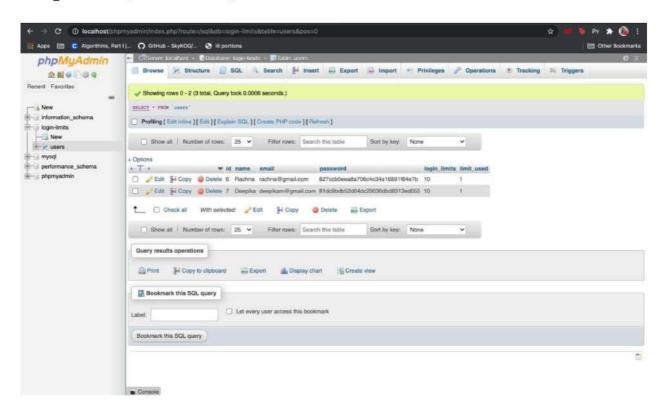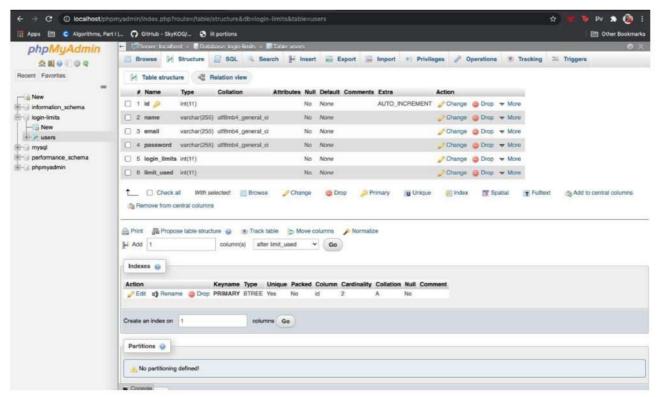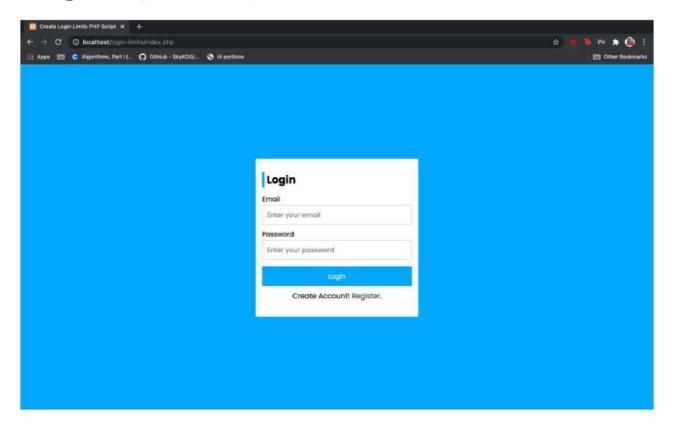
IMPLEMENTATION

Source Code (P2.SQL)

```
-- phpMyAdmin SQL Dump
-- version 5.0.4
-- https://www.phpmyadmin.net/
--
-- Host: 127.0.0.1
-- Generation Time: May 28, 2021 at 07:20 PM
-- Server version: 10.4.17-MariaDB
-- PHP Version: 8.0.0

SET SQL_MODE = "NO_AUTO_VALUE_ON_ZERO";
START TRANSACTION;
SET time_zone = "+00:00";


/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!40101 SET NAMES utf8mb4 */;


--
-- Database: `login-limits`
--


-- --------------------------------------------------------


--
-- Table structure for table `users`
--


CREATE TABLE `users` (
  `id` int(11) NOT NULL,
  `name` varchar(255) NOT NULL,
  `email` varchar(255) NOT NULL,
  `password` varchar(255) NOT NULL,
  `login_limits` int(11) NOT NULL,
  `limit_used` int(11) NOT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;


--
-- Dumping data for table `users`
--
```
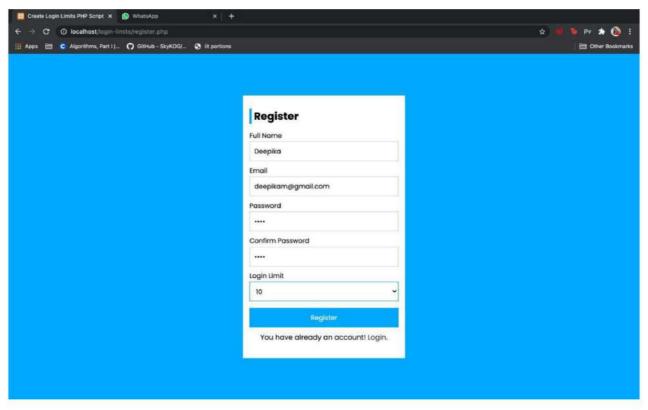
```
INSERT INTO `users` (`id`, `name`, `email`, `password`, `login_limits`, `limit_used`) VALUES
(4, 'Brave Coder', 'bravecoderofficial@gmail.com', '827ccb0eea8a706c4c34a16891f84e7b', 10, 1);

--
-- Indexes for dumped tables
--


--
-- Indexes for table `users`
--
ALTER TABLE `users`
  ADD PRIMARY KEY (`id`);


--
-- AUTO_INCREMENT for dumped tables
--


--
-- AUTO_INCREMENT for table `users`
--
ALTER TABLE `users`
  MODIFY `id` int(11) NOT NULL AUTO_INCREMENT, AUTO_INCREMENT=5;
COMMIT;

/*!40101 SET CHARACTER_SET_CLIENT=@OLD_CHARACTER_SET_CLIENT */;
/*!40101 SET CHARACTER_SET_RESULTS=@OLD_CHARACTER_SET_RESULTS */;
/*!40101 SET COLLATION_CONNECTION=@OLD_COLLATION_CONNECTION */;
```
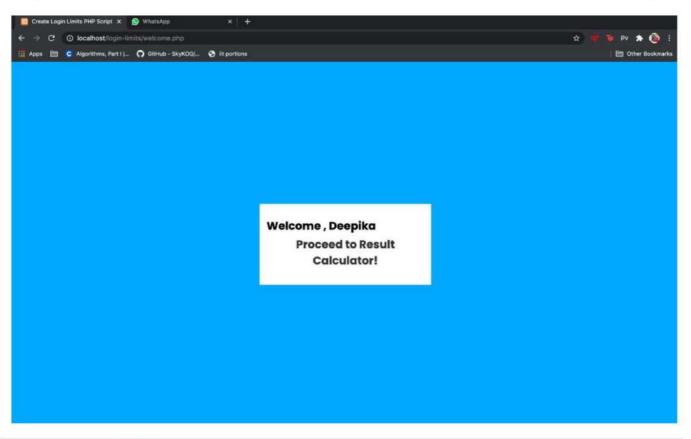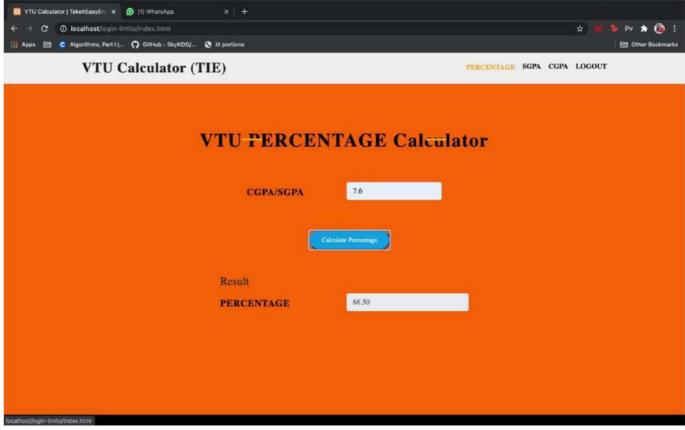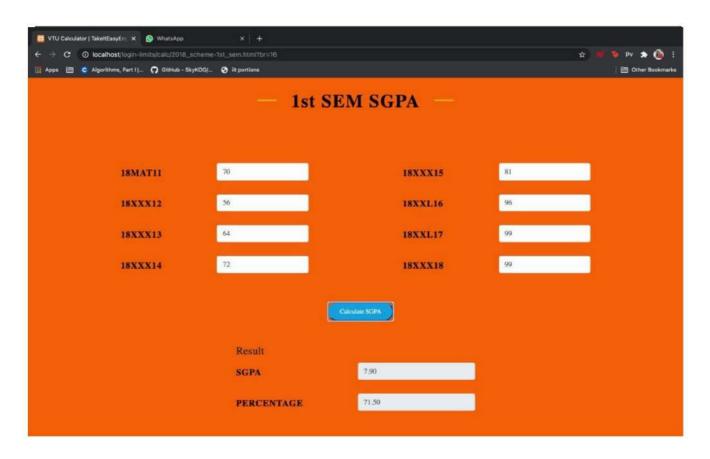
Snapshots (Back End) :
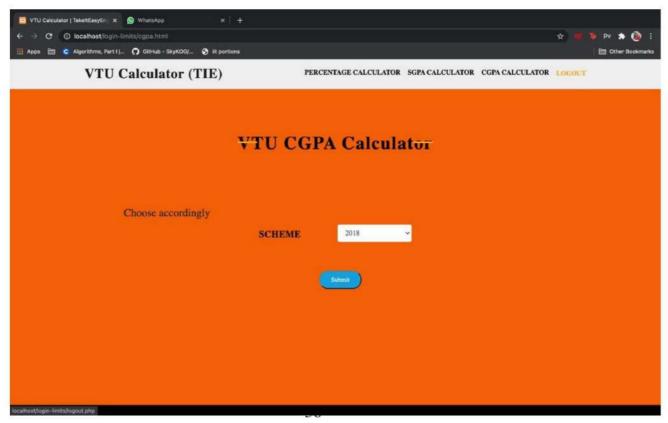
Snapshots (Front End) :

BIBLIOGRAPHY

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

About my TEAM(De-ra)

Name: Rachna R (1BG18IS033)
Role played:
CGPA Calculator and Percentage Calculator

Name: Nagadeepika M(1BG16IS064)
Role played:
Registration and Login Page , Database creation and SGPA calculator