SAP ID:



SHRI VILEPARLE KELAVANI MANDAL'S DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING



(Autonomous College Affiliated to the University of Mumbai)
NAAC ACCREDITED with "A" GRADE (CGPA: 3.18)

DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL307 DATE:

COURSE NAME: Web Programming Laboratory CLASS:SY. BTech

EXPERIMENT NO. 03

NAME: Ayush Vinod Upadhyay

ROLL NO: 1025 SAP ID: 60003220131

BRANCH: Information Technology

BATCH: 1

CO/LO: Develop web applications.

AIM / OBJECTIVE: Design responsive web site using bootstrap

DESCRIPTION OF EXPERIMENT:

Bootstrap Components:

Navbar: The navbar component is used for creating the navigation bar at the top of the page. It provides a responsive navigation bar that collapses on smaller screens.

Container: The container class is used to create a fixed-width container to hold the content. It helps in creating a consistent layout by providing a responsive container.

Card:The card component is used to create a container for content, usually with a title, image, and text. Cards are versatile components used for displaying content in an organized and visually appealing way.

Button: The btn class is used to create buttons. Bootstrap buttons come with various styles and sizes, providing a consistent look and feel.

Image: The img tag is used to display images. Images are a fundamental part of web design, and Bootstrap helps in handling their responsiveness.

Form Components: Various form components like form-group, form-control, form-check, and form-select are used. These components help in creating structured and styled forms for user input.



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Checkbox: The form-check class is used for styling checkboxes. Bootstrap styles checkboxes to enhance their appearance and improve user experience.

SOURCE CODE:

```
<!DOCTYPE html>
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Bootstrap</title>
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
   <link rel="stylesheet" href="script.css">
</head>
<body>
   <nav class="navbar navbar-expand-lg navbar-light bg-light">
       <div class="container-fluid">
         <a class="navbar-brand" href="#">BootStrap</a>
         <button class="navbar-toggler" type="button" data-bs-toggle="collapse"</pre>
data-bs-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">
           <a class="nav-link active" aria-current="page"</pre>
href="Home.html">Home</a>
            <a class="nav-link" href="Login.html">Login</a>
             <a class="nav-link" href="SignUp.html">SignUp</a>
```



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```
</div>
       </div>
     </nav>
     <div class="container">
       <div class="card" style="width: 18rem;">
           <img class="card-img-top" src="mahagony.jpeg" alt="Card image cap">
           <div class="card-body">
             <h5 class="card-title">Indian Mahogany</h5>
             This tree is very famous for its beautiful
colours and sturdiness. The bark of this tree is typically used for making
musical instruments and furniture.
             <a href="#" class="btn btn-primary">Read More</a>
           </div>
         </div>
         <div class="card" style="width: 18rem;">
           <img class="card-img-top" src="gulmohar.jpeg" alt="Card image cap">
           <div class="card-body">
             <h5 class="card-title">Gulmohar</h5>
             This tree is a flowering tree with bright
orange flowers and a wide canopy. It is mostly ornamental and the wood is used
for making handles for tools and combs since it is very durable.
             <a href="#" class="btn btn-primary">Read More</a>
           </div>
         </div>
         <div class="card" style="width: 18rem;">
           <img class="card-img-top" src="amla.jpeg" alt="Card image cap">
           <div class="card-body">
             <h5 class="card-title">Amla</h5>
             This is a deciduous tree and grows fruits that
are round and green. The fruit is rich in vitamin C and used to cure insomnia. It
is used in hair dyes and cosmetics as well. 
             <a href="#" class="btn btn-primary">Read More</a>
           </div>
         </div>
         <div class="card" style="width: 18rem;">
           <img class="card-img-top" src="peepal.jpeg" alt="Card image cap">
```



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```
<div class="card-body">
              <h5 class="card-title">Peepal</h5>
             This is an evergreen tree and is also
worshipped in many parts of the country. It has heart-shaped leaves that make it
so distinctly different. 
              <a href="#" class="btn btn-primary">Read More</a>
            </div>
          </div>
      </div>
    <script src="https://cdn.jsdelivr.net/np</pre>
m/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEy14H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```





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COURSE CODE: DJS22ITL307 DATE:

```
<body>
   <nav class="navbar navbar-expand-lg navbar-light bg-light">
       <div class="container-fluid">
         <a class="navbar-brand" href="#">BootStrap</a>
         <button class="navbar-toggler" type="button" data-bs-toggle="collapse"</pre>
data-bs-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">
           <a class="nav-link active" aria-current="page"</pre>
href="Home.html">Home</a>
            <a class="nav-link" href="Login.html">Login</a>
            <a class="nav-link" href="SignUp.html">SignUp</a>
            </div>
       </div>
     </nav>
     <div class="container">
       <div class="image-container" >
           <img src="login.png" alt="">
       </div>
       <div class="info-container">
           <section>
              <h1>LOGIN</h1>
              <form>
                    <div class="form-group">
                      <label for="exampleInputPassword1">Email</label>
                      <input type="email" class="form-control"</pre>
id="exampleInputPassword1" placeholder="Enter email">
                    </div>
```

Academic Year 2023-24 SAP ID:



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COURSE CODE: DJS22ITL307 DATE:

```
<div class="form-group">
                         <label for="exampleInputPassword1">Password</label>
                         <input type="password" class="form-control"</pre>
id="exampleInputPassword1" placeholder="Password">
                       </div>
                      <div class="form-check">
                         <input type="checkbox" class="form-check-input"</pre>
id="exampleCheck1">
                        <label class="form-check-label" for="exampleCheck1">I
agree to terms and conditions</label>
                      </div>
                       <button type="submit" class="btn btn-</pre>
primary">Submit</button>
                </form>
            </section>
        </div>
      </div>
    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```



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COURSE CODE: DJS22ITL307 DATE:

```
<title>Bootstrap SignUp</title>
   link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">
   <link rel="stylesheet" href="script.css">
</head>
<body>
   <nav class="navbar navbar-expand-lg navbar-light bg-light">
       <div class="container-fluid">
         <a class="navbar-brand" href="#">BootStrap</a>
         <button class="navbar-toggler" type="button" data-bs-toggle="collapse"</pre>
data-bs-target="#navbarSupportedContent" aria-controls="navbarSupportedContent"
aria-expanded="false" aria-label="Toggle navigation">
           <span class="navbar-toggler-icon"></span>
         <div class="collapse navbar-collapse" id="navbarSupportedContent">
          <a class="nav-link active" aria-current="page"</pre>
href="Home.html">Home</a>
            <a class="nav-link" href="Login.html">Login</a>
            <a class="nav-link" href="SignUp.html">SignUp</a>
            </div>
       </div>
     </nav>
     <div class="container">
       <div class="image-container" >
          <img src="signup.png" alt="">
       </div>
       <div class="info-container">
```





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COURSE CODE: DJS22ITL307 DATE:

```
<section>
                <h1>SIGN UP</h1>
                <form>
                         <div class="form-group">
                         <label for="exampleInputEmail1">Name</label>
                         <input type="text" class="form-control"</pre>
id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter email">
                       </div>
                       <div class="form-group">
                         <label for="exampleInputPassword1">Email</label>
                         <input type="email" class="form-control"</pre>
id="exampleInputPassword1" placeholder="Enter email">
                       </div>
                       <div class="form-group">
                         <label for="exampleInputPassword1">Phone Number</label>
                         <input type="number" class="form-control"</pre>
id="exampleInputPassword1" placeholder="Enter Number">
                       </div>
                       <div class="form-group">
                         <label for="exampleInputPassword1">Date of Birth</label>
                         <input type="text" class="form-control"</pre>
id="exampleInputPassword1" placeholder="dd/mm/yyyy">
                       </div>
                       <label for="exampleInputPassword1">Gender</label>
                       <select class="form-select" aria-label="Default select</pre>
example">
                         <option selected>Select Gender</option>
                         <option value="1">Male</option>
                         <option value="2">Female</option>
                         <option value="3">None</option>
                       </select>
                       <div class="form-group">
                         <label for="exampleInputPassword1">Password</label>
                         <input type="password" class="form-control"</pre>
id="exampleInputPassword1" placeholder="Password">
                       </div>
                       <div class="form-check">
```



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```
<input type="checkbox" class="form-check-input"</pre>
id="exampleCheck1">
                        <label class="form-check-label" for="exampleCheck1">I
agree to terms and conditions</label>
                      </div>
                      <button type="submit" class="btn btn-</pre>
primary">Submit</button>
                </form>
              </section>
        </div>
      </div>
    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-
IQsoLX15PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"
integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRIcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```

OUTPUT:





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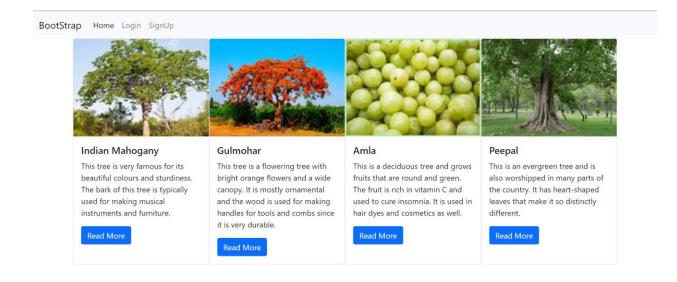
DEPARTMENT OF INFORMATION TECHNOLOGY

COURSE CODE: DJS22ITL307

DATE:

COURSE NAME: Web Programming Laboratory

CLASS:SY. BTech



BootStrap Home Login SignUp



Welcome back to the Digital Circuit Universe!

LOGIN

Email				
Enter em	nail			
Password				
Password	d			
☐ I agree	to terms and co	onditions		
Submit				
	1			



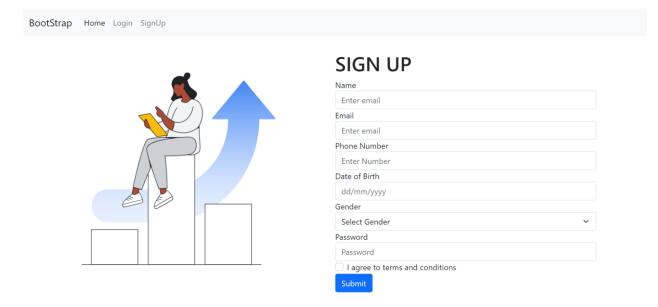


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CONCLUSION:

I learnt about various bootstrap components and their usage while making a responsive website

REFERENCES: w3schools

Website References:BootStrap 5