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: I025
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:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Bootstrap</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"
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">
                <ul class="navbar-nav me-auto mb-2 mb-lg-0">
                    <li class="nav-item">
                        <a class="nav-link active" aria-current="page"
href="Home.html">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="Login.html">Login</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="SignUp.html">SignUp</a>
```

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```html
            </li>
          </ul>
        </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>
          <p class="card-text">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.</p>
          <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>
          <p class="card-text">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.</p>
          <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>
          <p class="card-text">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. </p>
          <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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```html
            <div class="card-body">
                <h5 class="card-title">Peepal</h5>
                <p class="card-text">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. </p>
                <a href="#" class="btn btn-primary">Read More</a>
            </div>
        </div>
    </div>
    <script src="https://cdn.jsdelivr.net/np

m/@popperjs/core@2.9.2/dist/umd/popper.min.js" integrity="sha384-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+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/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Bootstrap Login</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>
```

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```html
<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"
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">
                <ul class="navbar-nav me-auto mb-2 mb-lg-0">
                  <li class="nav-item">
                    <a class="nav-link active" aria-current="page"
href="Home.html">Home</a>
                  </li>
                  <li class="nav-item">
                    <a class="nav-link" href="Login.html">Login</a>
                  </li>
                  <li class="nav-item">
                    <a class="nav-link" href="SignUp.html">SignUp</a>
                  </li>
                </ul>
            </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"
id="exampleInputPassword1" placeholder="Enter email">
                  </div>
```

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```html
                    <div class="form-group">
                        <label for="exampleInputPassword1">Password</label>
                        <input type="password" class="form-control"
id="exampleInputPassword1" placeholder="Password">
                    </div>
                    <div class="form-check">
                        <input type="checkbox" class="form-check-input"
id="exampleCheck1">
                        <label class="form-check-label" for="exampleCheck1">I
agree to terms and conditions</label>
                    </div>
                    <button type="submit" class="btn btn-
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-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+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/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

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```html
    <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"
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">
                <ul class="navbar-nav me-auto mb-2 mb-lg-0">
                    <li class="nav-item">
                        <a class="nav-link active" aria-current="page"
href="Home.html">Home</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="Login.html">Login</a>
                    </li>
                    <li class="nav-item">
                        <a class="nav-link" href="SignUp.html">SignUp</a>
                    </li>
                </ul>
            </div>
        </div>
    </nav>
    <div class="container">
        <div class="image-container" >
            <img src="signup.png" alt="">
        </div>
        <div class="info-container">
```

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```html
<section>
    <h1>SIGN UP</h1>
    <form>
        <div class="form-group">
        <label for="exampleInputEmail1">Name</label>
        <input type="text" class="form-control"
id="exampleInputEmail1" aria-describedby="emailHelp" placeholder="Enter email">
        </div>
        <div class="form-group">
        <label for="exampleInputPassword1">Email</label>
        <input type="email" class="form-control"
id="exampleInputPassword1" placeholder="Enter email">
        </div>
        <div class="form-group">
        <label for="exampleInputPassword1">Phone Number</label>
        <input type="number" class="form-control"
id="exampleInputPassword1" placeholder="Enter Number">
        </div>
        <div class="form-group">
        <label for="exampleInputPassword1">Date of Birth</label>
        <input type="text" class="form-control"
id="exampleInputPassword1" placeholder="dd/mm/yyyy">
        </div>
        <label for="exampleInputPassword1">Gender</label>
        <select class="form-select" aria-label="Default select
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"
id="exampleInputPassword1" placeholder="Password">
        </div>
        <div class="form-check">
```
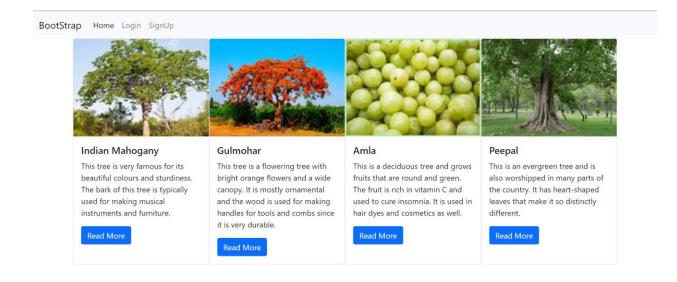
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```html
                        <input type="checkbox" class="form-check-input"
id="exampleCheck1">
                        <label class="form-check-label" for="exampleCheck1">I
agree to terms and conditions</label>
                    </div>
                    <button type="submit" class="btn btn-
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-
IQsoLXl5PILFhosVNubq5LC7Qb9DXgDA9i+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/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
</body>
</html>
```

OUTPUT:

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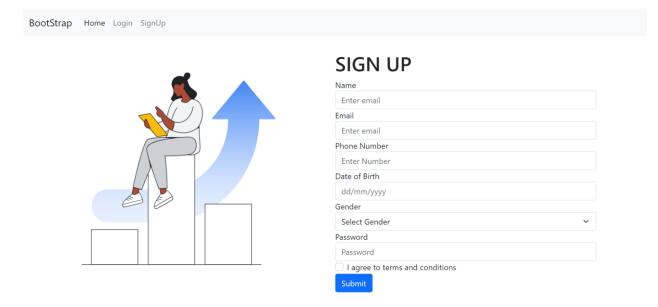**DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**
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CONCLUSION:

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

REFERENCES: w3schools

Website References: BootStrap 5