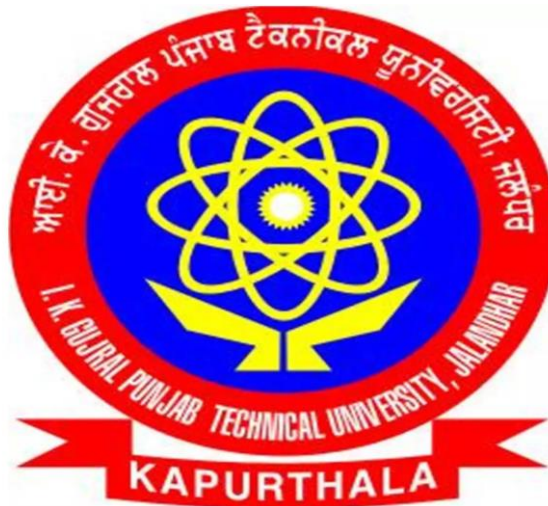


Web Designing Laboratory (UGCA1928)



**GIAN JYOTI INSTITUTE OF MANAGEMENT &
TECHNOLOGY, PHASE 2, MOHALI**

AFFILIATED TO



**PUNJAB TECHNICAL UNIVERSITY, JALANDHAR
FOR THE PARTIAL FULFILLMENT FOR QUALIFYING BCA
DEGREE**

SUBMITTED TO:

Prof. Jaspreet Kaur

SUBMITTED BY:

Name - Suraj

Class - BCA IV (Sec-B)

Roll No. - 2111840

INDEX

Sr. No.	Topic	Page No.	Teacher Sign.
1.	Create a simple HTML page to demonstrate the use of different tags.	1-2	
2.	Design index page of a book on web designing.	3-4	
3.	Display Letter Head of your college on a web page.	5-6	
4.	Create a Hyperlink to move around within a single page rather than to load another page.	7	
5.	Display letter using different Text formatting Tags.	8	
6.	Design Time Table of your department and highlights of most important periods.	9-10	
7.	Use Tables to provide layout to your web page.	11-12	
8.	Embed Audio and Video into your web page.	13	
9.	Divide a web page vertically and horizontally and display logo of your college in left pane and logo of university in right pane.	14	
10.	Create a student Bio- Data.	15-17	
11.	Design front page of hospital with different style sheets.	18-20	
12.	Design a web page and display two different pages at a time.	21	
13.	Write a program to create a login form. On submitting the form, the user should get navigated to a profile page using JavaScript.	22-23	
14.	Write a code to create a Registration Form. On submitting the form, the user should be asked to login with the new credentials using JavaScript.	24-26	
15.	Write an HTML code to create your Institute website/Department website/ Tutorial website for specific subject. Also use Java Script for validation.	27-30	

1. Create a simple HTML page to demonstrate the use of different tags.

Code:-

```
<html>
<head>
  <title>My Web Page</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <style>
    /* CSS styles go here */
  </style>
</head>
<body>
  <header>
    <h1>Welcome to My Web Page</h1>
    <nav>
      <ul>
        <li><a href="#">Home</a></li>
        <li><a href="#">About</a></li>
        <li><a href="#">Contact</a></li>
      </ul>
    </nav>
  </header>
  <main>
    <section>
      <h2>About Me</h2>
      <p>Hi, my name is Suraj and I'm a web developer.</p>
      <ul>
        <li>I love coding</li>
        <li>I enjoy hiking and traveling</li>
        <li>My favorite programming language is JavaScript</li>
      </ul>
    </section>
    <section>
      <h2>My Projects</h2>
      <table>
        <thead>
          <tr>
            <th>Project Name</th>
            <th>Description</th>
            <th>Link</th>
          </tr>
        </thead>
        <tbody>
          <tr>
            <td>Project 1</td>
            <td>This is my first project,
              which is a website for a local business.</td>
            <td><a href="#">Visit Site</a></td>
          </tr>
          <tr>
            <td>Project 2</td>
            <td>This is my second project,
              which is a mobile app for tracking daily expenses.</td>
            <td><a href="#">Visit Site</a></td>
          </tr>
          <tr>
            <td>Project 3</td>
            <td>This is my third project,
              which is an e-commerce website for selling handmade crafts.</td>
            <td><a href="#">Visit Site</a></td>
          </tr>
        </tbody>
      </table>
    </section>
  </main>
</body>
</html>
```

```
<section>
  <h2>My Favorite Video</h2>
  <video src="video.mp4" type="video/mp4" width="480" height="360"
    controls></video>
</section>
<section>
  <h2></h2>
  <audio src="song.mp3" controls></audio>
</section>
</main>
<footer>
  <p>&copy; 2023 My Web Page</p>
</footer>
<script>
  // JavaScript code goes here
</script>
</body>
</html>
```

Output:-

Welcome to My Web Page

- [Home](#)
- [About](#)
- [Contact](#)

About Me

Hi, my name is Suraj and I'm a web developer.

- I love coding
- I enjoy hiking and traveling
- My favorite programming language is JavaScript

My Projects

Project Name	Description	Link
Project 1	This is my first project, which is a website for a local business.	Visit Site
Project 2	This is my second project, which is a mobile app for tracking daily expenses.	Visit Site
Project 3	This is my third project, which is an e-commerce website for selling handmade crafts.	Visit Site

My Favorite Video



2.Design index page of a book on web designing.

Code:-

```
<html>
  <head>
    <title>Book Index</title>
    <link rel="stylesheet" href="index.css">
  </head>
  <body>
    <h1>Web Design Book Index</h1>
    <table>
      <tr>
        <th>Chapter</th>
        <th>Page Number</th>
      </tr>
      <tr>
        <td><a href="#chapter1">Chapter 1: Introduction to Web Design</a></td>
        <td><span class="page-number">1-9</span></td>
      </tr>
      <tr>
        <td><a href="#chapter2">Chapter 2: HTML Basics</a></td>
        <td><span class="page-number">10-19</span></td>
      </tr>
      <tr>
        <td><a href="#chapter3">Chapter 3: CSS Basics</a></td>
        <td><span class="page-number">20-29</span></td>
      </tr>
      <tr>
        <td><a href="#chapter4">Chapter 4: Responsive Design</a></td>
        <td><span class="page-number">30-44</span></td>
      </tr>
      <tr>
        <td><a href="#chapter5">Chapter 5: Designing for User Experience</a></td>
        <td><span class="page-number">45-59</span></td>
      </tr>
      <tr>
        <td><a href="#chapter6">Chapter 6: Web Design Tools and Resources</a></td>
        <td><span class="page-number">60-70</span></td>
      </tr>
    </table>
    <h2 id="chapter1">Chapter 1: Introduction to Web Design</h2>
    <p>This chapter introduces the basics of web design.</p>
    <p>Page 1-9</p>
    <h2 id="chapter2">Chapter 2: HTML Basics</h2>
    <p>This chapter covers the basics of HTML.</p>
    <p>Page 10-19</p>
    <h2 id="chapter3">Chapter 3: CSS Basics</h2>
    <p>This chapter covers the basics of CSS.</p>
    <p>Page 20-29</p>
    <h2 id="chapter4">Chapter 4: Responsive Design</h2>
    <p>This chapter covers responsive design techniques.</p>
    <p>Page 30-44</p>
    <h2 id="chapter5">Chapter 5: Designing for User Experience</h2>
    <p>This chapter covers designing for user experience.</p>
    <p>Page 45-59</p>
    <h2 id="chapter6">Chapter 6: Web Design Tools and Resources</h2>
    <p>This chapter covers various web design tools and resources.</p>
    <p>Page 60-70</p>
  </body>
</html>
```

CSS Code:-

```
body {
  font-family: Arial, sans-serif;
  margin: 0;
}
h1 {
  text-align: center;
  margin-top: 50px;
}
table {
  width: 50%;
  margin: 50px auto;
  border-collapse: collapse;
}
th, td {
  padding: 10px;
  border: 1px solid #ccc;
  text-align: left;
}
th {
  background-color: #f2f2f2;
}
th a {
  color: #000;
  text-decoration: none;
}
.page-number {
  display: inline-block;
  padding: 3px 5px;
  border: 1px solid #ccc;
  background-color: #f2f2f2;
}
h2 {
  margin-top: 50px;
}
p {
  margin-bottom: 20px;
}
```

Output:-

Web Design Book Index

Chapter	Page Number
Chapter 1: Introduction to Web Design	1-9
Chapter 2: HTML Basics	10-19
Chapter 3: CSS Basics	20-29
Chapter 4: Responsive Design	30-44
Chapter 5: Designing for User Experience	45-59
Chapter 6: Web Design Tools and Resources	60-70

Chapter 1: Introduction to Web Design

This chapter introduces the basics of web design.

Page 1-9

Chapter 2: HTML Basics

This chapter covers the basics of HTML.

Page 10-19

Chapter 3: CSS Basics

This chapter covers the basics of CSS.

Page 20-29

Chapter 4: Responsive Design

This chapter covers responsive design techniques.

Page 30-44

Chapter 5: Designing for User Experience

This chapter covers designing for user experience.

Page 45-59

Chapter 6: Web Design Tools and Resources

This chapter covers various web design tools and resources.

Page 60-70

3.Display Letter Head of your college on a web page.

code:-

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>College Letterhead</title>
  <link rel="stylesheet" href="styles.css">
  <style>
    body {
      font-family: Arial, sans-serif;
      margin: 0;
    }
    header {
      background-color: #336699; /* set the background color of the header */
      color: #fff; /* set the text color of the header */
      padding: 20px;
      display: flex; /* use flexbox to align the logo and text horizontally */
      align-items: center;
    }
    header img {
      height: 80px;
      margin-right: 20px;
    }
    nav {
      background-color: #f2f2f2;
      padding: 10px;
    }
    nav ul {
      margin: 0;
      padding: 0;
      list-style: none;
      display: flex; /* use flexbox to align the nav links horizontally */
    }
    nav li {
      margin-right: 20px;
    }
    nav a {
      text-decoration: none;
      color: #333;
      font-weight: bold;
    }
    nav a:hover {
      color: #336699;
    }
    main {
      padding: 20px;
    }
    h1, h2 {
      margin: 0;
    }
    h1 {
      font-size: 2em;
    }
    h2 {
      font-size: 1.5em;
      margin-top: 30px;
    }
    p {
      line-height: 1.5;
      margin-bottom: 20px;
    }
  </style>
```



```

</head>
<body>
  <header>
    
    <h1>Gian Jyoti Institute of Management and Technology - [GJIMT]</h1>
    <p>Address: Phase-2, Mohali, near
      Bassi Theatre, Sector 54, Chandigarh, Punjab 160055
      |Phone: 0172 226 4566|Email: gjimt@gjimt.com</p>
  </header>
  <nav>
    <ul>
      <li><a href="#">Home</a></li>
      <li><a href="#">Programs</a></li>
      <li><a href="#">Admissions</a></li>
      <li><a href="#">About</a></li>
      <li><a href="#">Contact</a></li>
    </ul>
  </nav>
  <main>
    <h2>Welcome to ABC College of Technology</h2>
    <p>Welcome to Gian Jyoti Institute of Management and Technology.
      Gian Jyoti Institute of Management & Technology (GJIMT)
      was established under the aegis of Gian Jyoti Educational Society (GJES) in the year 1998.
      Being North India's premier destination in the fields
      of management and professional education,
      located in the heart of Mohali City, GJIMT has
      been setting milestones in academics and placements.
      GJIMT imparts holistic management and
      professional education to nurture and develop human
      resources of global standards that are capable of
      serving the industry and society productively.</p>

  </main>
</body>
</html>

```

Output:-



Gian Jyoti Institute of Management and Technology - [GJIMT]

Address: Phase-2, Mohali, near Bassi Theatre, Sector 54, Chandigarh, Punjab 160055 |Phone: 0172 226 4566|Email: gjimt@gjimt.com

[Home](#) [Programs](#) [Admissions](#) [About](#) [Contact](#)

Welcome to ABC College of Technology

Welcome to Gian Jyoti Institute of Management and Technology. Gian Jyoti Institute of Management & Technology (GJIMT) was established under the aegis of Gian Jyoti Educational Society (GJES) in the year 1998. Being North India's premier destination in the fields of management and professional education, located in the heart of Mohali City, GJIMT has been setting milestones in academics and placements. GJIMT imparts holistic management and professional education to nurture and develop human resources of global standards that are capable of serving the industry and society productively.

4.Create a Hyperlink to move around within a single page rather than to load another page.

Code:-

```
<html>
<head>
    <title>My Single Page Website</title>
</head>
<body>
    <a href="#section1">Go to Section 1</a><br>
    <a href="#section2">Go to Section 2</a><br>
    <a href="#section3">Go to Section 3</a><br>
    <h1>Welcome to My Website</h1>
    <a href="3.html">Click to go net website</a>
    <p>Here is some introductory text for my website.</p>
    <h2 id="section1">Section 1</h2>
    <p>Here is some content for section 1.</p>
    <h2 id="section2">Section 2</h2>
    <p>Here is some content for section 2.</p>
    <h2 id="section3">Section 3</h2>
    <p>Here is some content for section 3.</p>
</body>
</html>
```

Output:-

[Go to Section 1](#)
[Go to Section 2](#)
[Go to Section 3](#)

Welcome to My Website

[Click to go net website](#)

Here is some introductory text for my website.

Section 1

Here is some content for section 1.

Section 2

Here is some content for section 2.

Section 3

Here is some content for section 3.

5. Display letter using different Text formatting Tags.

Code:-

```
<html>
<head>
  <title>Department of Computer Science</title>
</head>
<body>
  <!-- Bold and underline text -->
  <p><b><u>The Department of Computer Science</u></b>
    at Suraj University has a long history of excellence in research and
education.</p>
  <!-- Italicize text -->
  <p>Our faculty members are <i>world-renowned experts</i>
    in their fields, and our graduates go on to successful
    careers in industry and academia.</p>
  <!-- Add a blockquote -->
  <blockquote>
    <p>"The Department of Computer Science at Suraj University is one of the
best places to <br>study and conduct research in the field. I'm proud to be a graduate of
this esteemed institution."</p>
    <footer>- Suraj, Class of 2010</footer></blockquote>
  <!-- Display a letter in superscript -->
  <p>The chemical symbol for <b>O</b>
    <sup>2-</sup> ion is O<sup>2-</sup>.</p>
  <!-- Display a letter in subscript -->
  <p>The chemical formula for water is H<sub>2</sub>O.</p>
  <!-- Display a letter with a small font size -->
  <p><span style="font-size: 10px;">
    <i>G</i></span>raphical user interface.</p>
  <!-- Display a letter with a large font size -->
  <p><span style="font-size: 48px;"><s>K</s></span>eyboard shortcuts.</p>
  <!-- Display a letter with a different font color and family -->
  <p><span style="color: red; font-family: Arial, sans-serif;">W</span>eb
development.</p>
  <!-- Change font family and size -->
  <p style="font-family: Arial, sans-serif; font-size: 20px;">Join us and become part
of a legacy of excellence in computer science education and research.</p>
</body>
</html>
```

Output:-

The Department of Computer Science at Suraj University has a long history of excellence in research and education.

Our faculty members are *world-renowned experts* in their fields, and our graduates go on to successful careers in industry and academia.

"The Department of Computer Science at Suraj University is one of the best places to
study and conduct research in the field. I'm proud to be a graduate of this esteemed institution."

- Suraj, Class of 2010

The chemical symbol for **O**²⁻ ion is O²⁻.

The chemical formula for water is H₂O.

graphical user interface.

Keyboard shortcuts.

Web development.

Join us and become part of a legacy of excellence in computer science education and research.

6. Design Time Table of your department and highlights of most important periods.

```
<!DOCTYPE html>
<html>
<head>
  <title>Department Timetable</title>
  <style>
    table {
      border-collapse: collapse;
      width: 100%;    }
    td:first-child {
      border-right: 1px solid #f20505;  }
    th, td {
      text-align: left;
      padding: 8px;
      border-bottom: 1px solid #40a4e7;  }
    tr:hover {
      background-color: #fb0f0f;    }
    th {
      background-color: #0749f0;
      color: white;    }
  </style>
</head>
<body>
  <center><h1>Department Timetable</h1></center>
  <table>
    <tr>
      <th>Time</th>
      <th>9:00 - 10:00</th>
      <th>10:00 - 11:00</th>
      <th>11:00 - 12:00</th>
      <th>12:00 - 1:00</th>
      <th>1:00 - 2:00</th>
      <th>2:00 - 3:00</th>
    </tr>
    <tr>
      <th>Monday</th>
      <td>Web Design (WD)</td>
      <td>Database Management Systems (DBMS)</td>
      <td>Operating Systems (OS)</td>
      <td>Lunch Break</td>
      <td>Software Engineering (SE)</td>
      <td>Mentoring and Professional Development (MPD)</td>
    </tr>
    <tr>
      <th>Tuesday</th>
      <td>Web Design (WD)</td>
      <td>Database Management Systems (DBMS)</td>
      <td>Operating Systems (OS)</td>
      <td>Lunch Break</td>
      <td>Software Engineering (SE)</td>
      <td>Mentoring and Professional Development (MPD)</td>
    </tr>
  </table>
</body>
</html>
```

```

</tr> <tr>
    <th>Wednesday</th>
    <td>Web Design (WD)</td>
    <td>Database Management Systems (DBMS)</td>
    <td>Operating Systems (OS)</td>
    <td>Lunch Break</td>
    <td>Software Engineering (SE)</td>
    <td>Mentoring and Professional Development (MPD)</td>
</tr> <tr>
    <th>Thursday</th>
    <td>Web Design (WD)</td>
    <td>Database Management Systems (DBMS)</td>
    <td>Operating Systems (OS)</td>
    <td>Lunch Break</td>
    <td>Software Engineering (SE)</td>
    <td>Mentoring and Professional Development (MPD)</td>
</tr> <tr>
    <th>Friday</th>
    <td>Web Design (WD)</td>
    <td>Database Management Systems (DBMS)</td>
    <td>Operating Systems (OS)</td>
    <td>Lunch Break</td>
    <td>Software Engineering (SE)</td>
    <td>Mentoring and Professional Development (MPD)</td>
</tr>
</table>
</body>
</html>

```

Output:-

Department Timetable

Time	9:00 - 10:00	10:00 - 11:00	11:00 - 12:00	12:00 - 1:00	1:00 - 2:00	2:00 - 3:00
Monday	Web Design (WD)	Database Management Systems (DBMS)	Operating Systems (OS)	Lunch Break	Software Engineering (SE)	Mentoring and Professional Development (MPD)
Tuesday	Web Design (WD)	Database Management Systems (DBMS)	Operating Systems (OS)	Lunch Break	Software Engineering (SE)	Mentoring and Professional Development (MPD)
Wednesday	Web Design (WD)	Database Management Systems (DBMS)	Operating Systems (OS)	Lunch Break	Software Engineering (SE)	Mentoring and Professional Development (MPD)
Thursday	Web Design (WD)	Database Management Systems (DBMS)	Operating Systems (OS)	Lunch Break	Software Engineering (SE)	Mentoring and Professional Development (MPD)
Friday	Web Design (WD)	Database Management Systems (DBMS)	Operating Systems (OS)	Lunch Break	Software Engineering (SE)	Mentoring and Professional Development (MPD)

7. Use Tables to provide layout to your web page.

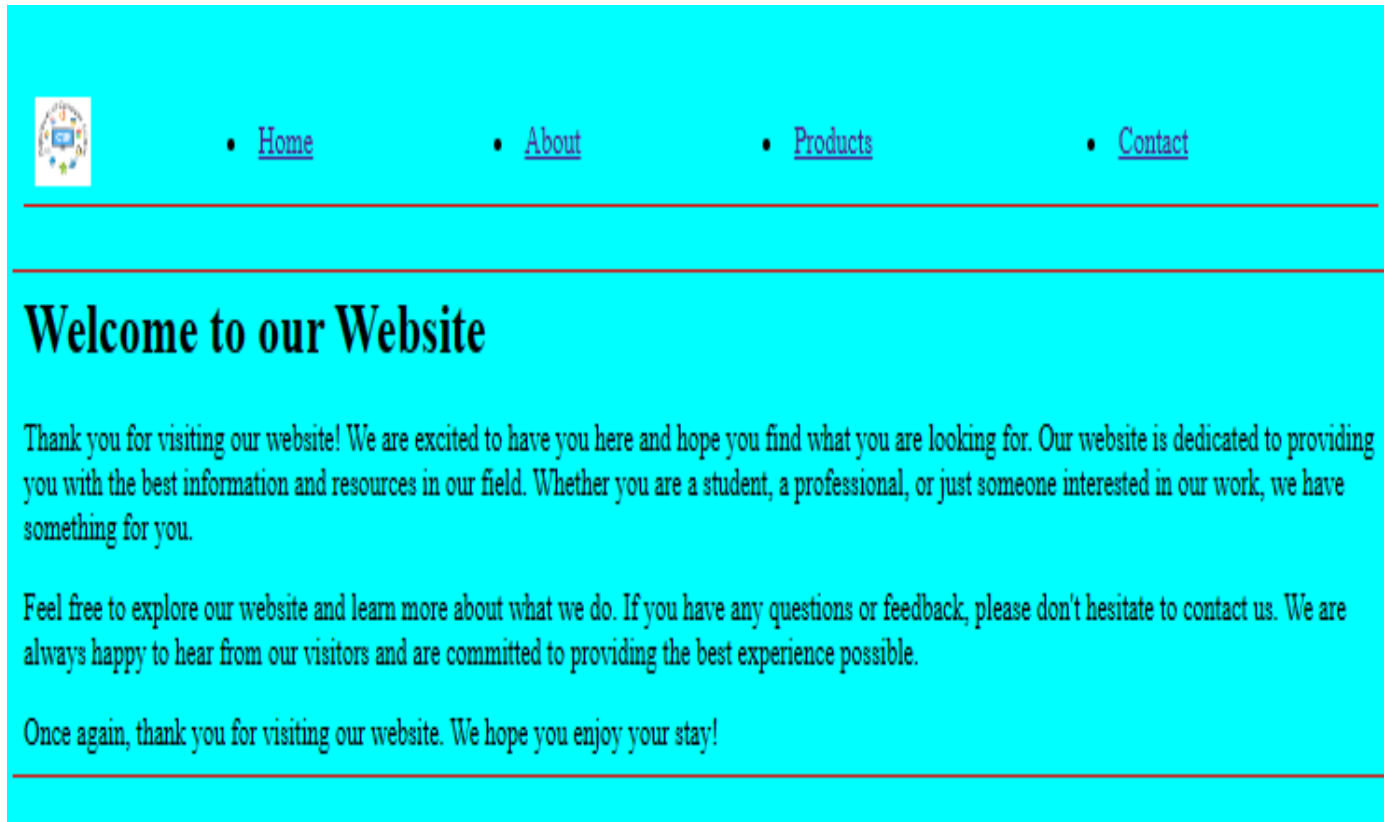
Code:-

```
<html>
<head>
    <title>Table Layout Example</title>
    <style>
    body{
        background-color: aqua;          }
        table {
            border-collapse: collapse;
            width: 100%;
            margin: 20px 0;              }

        th, td {
            padding: 8px;
            border-bottom: 1px solid #e10a0a; }

        th {
            background-color: #eb1212;
            font-weight: bold;              }
    }
</style></head>
<body>
<table>
<tr><td><table>
<tr><ul>
<td><a href="#"></a></td>
<td><li><a href="#">Home</a></li></td>
<td><li><a href="#">About</a></li></td>
<td><li><a href="#">Products</a></li></td>
<td><li><a href="#">Contact</a></li></td>
</ul></tr>
</table></td></tr>
<td>
    <h1>Welcome to our Website</h1>
    <p>Thank you for visiting our website!
    We are excited to have you here and hope you find
    what you are looking for. Our website is
    dedicated to providing you with the best information
    and resources in our field. Whether you are a student,
    a professional, or just someone interested in our work,
    we have something for you.</p>
    <p>Feel free to explore our website and
    learn more about what we do. If you have any
    questions or feedback, please don't hesitate to
    contact us. We are always happy to hear from our
    visitors and are committed to providing the best
    experience possible.</p>
    <p>Once again, thank you for
    visiting our website. We hope you enjoy your stay!</p>
</td>
</tr>
</table>
</body>
</html>
```

Output:-

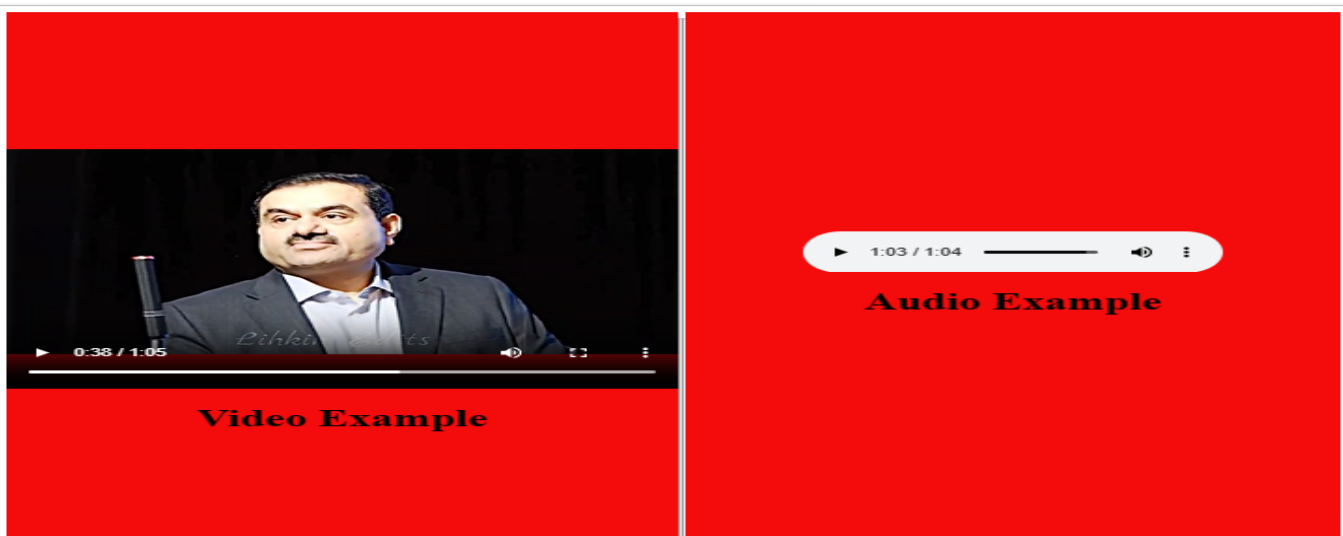


8. Embed Audio and Video into your web page.

Code:-

```
<html>
<head>
  <title>Embedded Audio and Video</title>
  <style>
    .container {
      display: flex;
      flex-direction: row;
      height: 100vh;
    }
    .video, .audio {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      flex: 1;
      background-color: #f40b0b;
    }
  </style></head>
<body>
  <div class="container">
    <div class="video">
      <video width="480" height="360" controls>
        <source src="video.mp4" type="video/mp4">
      </video>
      <h1>Video Example</h1>
    </div>
    <br><br><hr><hr>
    <div class="audio">
      <audio controls>
        <source src="song.mp3" type="audio/mpeg">
      </audio>
      <h1>Audio Example</h1>
    </div>
  </div>
</body>
</html>
```

Output:-



9. Divide a web page vertically and horizontally and display logo of your college in left pane and logo of university in right pane.

Code:-

```
<html>
<head>
  <title>Logos </title>
  <style>
    .container {
      display: flex;
      flex-direction: row;
      height: 100vh;
    }
    .left-pane, .right-pane {
      display: flex;
      flex-direction: column;
      align-items: center;
      justify-content: center;
      flex: 1;
      background-color: #f2f2f2;
    }
  </style>
</head>
<body>
  <div class="container">
    <div class="left-pane">
      
    </div>
    <div class="right-pane">
      
    </div>
  </div>
</body>
</html>
```

Output:-



10. Create a student Bio- Data.

Code:-

```
<html>
<head>
  <title> Bio Data</title>
  <link rel="stylesheet" href="10.css">
</head>
<body>
  <center><h1>Bio Data</h1>
  
</center>
  <table>
    <tr>
      <th>Personal Information</th>
    </tr>
    <tr>
      <td>Full Name:</td>
      <td>Suraj</td>
    </tr>
    <tr>
      <td>Gender:</td>
      <td>Male</td>
    </tr>
    <tr>
      <td>Date of Birth:</td>
      <td>August 17th, 2002</td>
    </tr>
    <tr>
      <td>Age:</td>
      <td>20</td>
    </tr>
    <tr>
      <td>Nationality:</td>
      <td>Indian</td>
    </tr>
    <tr>
      <td>Address:</td>
      <td>#13,Phase 9 Ind. Area,Mohali</td>
    </tr>
    <tr>
      <td>Phone Number:</td>
      <td>(+91)-912-456-7890</td>
    </tr>
    <tr>
      <td>Email:</td>
      <td>suraj@gmail.com</td>
    </tr>
    <tr>
      <th>Education</th>
    </tr>
    <tr>
      <td>Current School/College/University:</td>
      <td>PTU University</td>
    </tr>
    <tr>
      <td>Major/Program of Study:</td>
      <td>Computer Science</td>
    </tr>
    <tr>
      <td>Expected Graduation Date:</td>
      <td> 2024</td>
    </tr>
    <tr>
      <td>GPA/CGPA:</td>
      <td>8.0</td>
    </tr>
    <tr>
      <th>Skills</th>
    </tr>
```

```

        <tr>
            <td>Technical Skills:</td>
            <td>Java, Python, C++, SQL, HTML, CSS</td>
        </tr>
        <tr>
            <td>Soft Skills:</td>
            <td>Communication, Problem-Solving, Teamwork, Time-
Management</td>
        </tr>
        <tr>
            <td>Duration:</td>
            <td>June 2022 - August 2022</td>
        </tr>
        <tr>
            <td>Key Responsibilities:</td>
            <td>Worked on developing and testing software modules using Java and
SQL.</td>
        </tr>
        <tr>
            <th>Achievements</th>
        </tr>
        <tr>
            <td>Academic Achievements:</td>
            <td>Dean's List, Academic Excellence Award</td>
        </tr>
        <tr>
            <td>Extracurricular Achievements:</td>
            <td>Captain of the University Football Team, Volunteer at the Local
Food Bank</td>
        </tr>
        <tr>
            <th>Hobbies and Interests</th>
        </tr>
        <tr>
            <td>Hobbies and Interests:</td>
            <td>Playing football, reading novels, learning new programming
languages</td>
        </tr>
    </table>
</body>
</html>

```

CSS code:-

```
body {
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
}
table {
  border-collapse: collapse;
  margin-top: 20px;
  font-family: Arial, sans-serif;
  font-size: 16px;
  width: 80%;
  max-width: 800px;
  text-align: left;
}
th {
  background-color: #C0C0C0;
  color: #333333;
  font-weight: bold;
  padding: 10px;
}
td {
  padding: 10px;
  border: 1px solid #ddd;
}
.profile-image {
  width: 150px;
  height: 150px;
  border-radius: 50%;
  object-fit: cover;
  margin-top: 20px;
}
td:first-child {
  font-weight: bold;
}
td:nth-child(2) {
  font-style: italic; }
```

Output:-

Bio Data



Personal Information	
Full Name:	Suraj
Gender:	Male
Date of Birth:	August 17th, 2002
Age:	20
Nationality:	Indian
Address:	#13,Phase 9 Ind. Area,Mohali
Phone Number:	(+91)-912-456-7890
Email:	suraj@gmail.com
Education	
Current School/College/University:	PTU University
Major/Program of Study:	Computer Science
Expected Graduation Date:	2024
GPA/CGPA:	8.0
Skills	
Technical Skills:	Java, Python, C++, SQL, HTML, CSS
Soft Skills:	Communication, Problem-Solving, Teamwork, Time-Management
Duration:	June 2022 - August 2022
Key Responsibilities:	Worked on developing and testing software modules using Java and SQL.
Achievements	
Academic Achievements:	Dean's List, Academic Excellence Award
Extracurricular Achievements:	Captain of the University Football Team, Volunteer at the Local Food Bank
Hobbies and Interests	
Hobbies and Interests:	Playing football, reading novels, learning new programming languages

11. Design front page of hospital with different style sheets.

Code:-

```
<html>
<head>
    <title>Hospital Front Page</title>
    <link rel="stylesheet" href="11.css">
</head>
<body>
<header>
<marquee behavior="" direction=""><h1>Welcome to Suraj Hospital</h1></marquee><br>
<nav>
<ul>
<li><a href="#"></a></li>
<li><a href="#">Home</a></li>
<li><a href="#">About Us</a></li>
<li><a href="#">Services</a></li>
<li><a href="#">Doctors</a></li>
<li><a href="#">Contact Us</a></li>
</ul>
</nav>
</header>
<section id="slider">
    <h2>Our Services</h2>
    
    <p>Here are some of the services we offer:</p>
    <ul>
        <li>Emergency Care</li>
        <li>Surgery</li>
        <li>Maternity Care</li>
        <li>Pediatric Care</li>
        <li>Psychiatric Care</li>
    </ul>
</section>
<section id="news">
    <h2>Latest News</h2>
    
<article>
    <h3>Flu Season</h3>
    <p>Stay healthy this flu season by getting your flu shot at our hospital.</p>
    <a href="#">Read More &rarr;</a>
</article>
<article>
    <h3>New Research</h3>
    <p>Our hospital is proud to be at the forefront of medical research.</p>
    <a href="#">Read More &rarr;</a>
</article>
</section>
<footer>
    <p>&copy; 2023 Our Hospital. All rights reserved.</p>
</footer>
</body>
</html>
```

CSS Code:

```
body {
  font-family: Arial, sans-serif;
  margin: 0;
  padding: 0;
}
header {
  background-color: #6791ec;
  border-bottom: 1px solid #ef9898;
  padding: 20px;
}
header h1 {
  font-size: 36px;
  margin: 0;
  text-align: center;
}
nav {
  display: flex;
  justify-content: center;
  margin-top: 20px;
}
nav ul {
  display: flex;
  list-style: none;
  margin: 0;
  padding: 0;
}
nav li {
  margin-right: 20px;
}
nav a {
  color: #333;
  text-decoration: none;
}
nav img {
  border-radius: 50%;
}
#slider {
  background-color: #d76161;
  padding: 50px;
  text-align: center;
}
#slider h2 {
  font-size: 24px;
  margin-top: 0;
}
#slider p {
  font-size: 18px;
  margin-top: 20px;
}
#slider ul {
  list-style: none;
  margin: 0;
  padding: 0;
}
#slider li {
  font-size: 18px;
  margin-top: 10px;
}
#slider img {
  display: block;
  margin: 0 auto;
  max-width: 100%;
}
#news {
  background-color: #269bdf;
  padding: 50px;
  text-align: center;
}
```

```
#news h2 {
  font-size: 24px;
  margin-top: 0;
}
#news article {
  margin-top: 30px;
}
#news article h3 {
  font-size: 18px;
}
#news article p {
  font-size: 16px;
  margin-top: 10px;
}
#news article a {
  color: #010101;
  text-decoration: none;
}
#news article a:hover {
  color: #080808;
}
#news img {
  display: block;
  margin: 0 auto;
  max-width: 100%;
}
footer {
  background-color: #3344fa;
  border-top: 1px solid #f25d5d;
  padding: 20px;
  text-align: center;
}
footer p {
  font-size: 16px;
  margin: 0;
}
```

Output:-

Welcome to Suraj Hospital



[Home](#) [About Us](#) [Services](#) [Doctors](#) [Contact Us](#)

Our Services



Here are some of the services we offer:

Emergency Care
Surgery
Maternity Care
Pediatric Care
Psychiatric Care

Latest News



Flu Season

Stay healthy this flu season by getting your flu shot at our hospital.

[Read More →](#)

New Research

Our hospital is proud to be at the forefront of medical research.

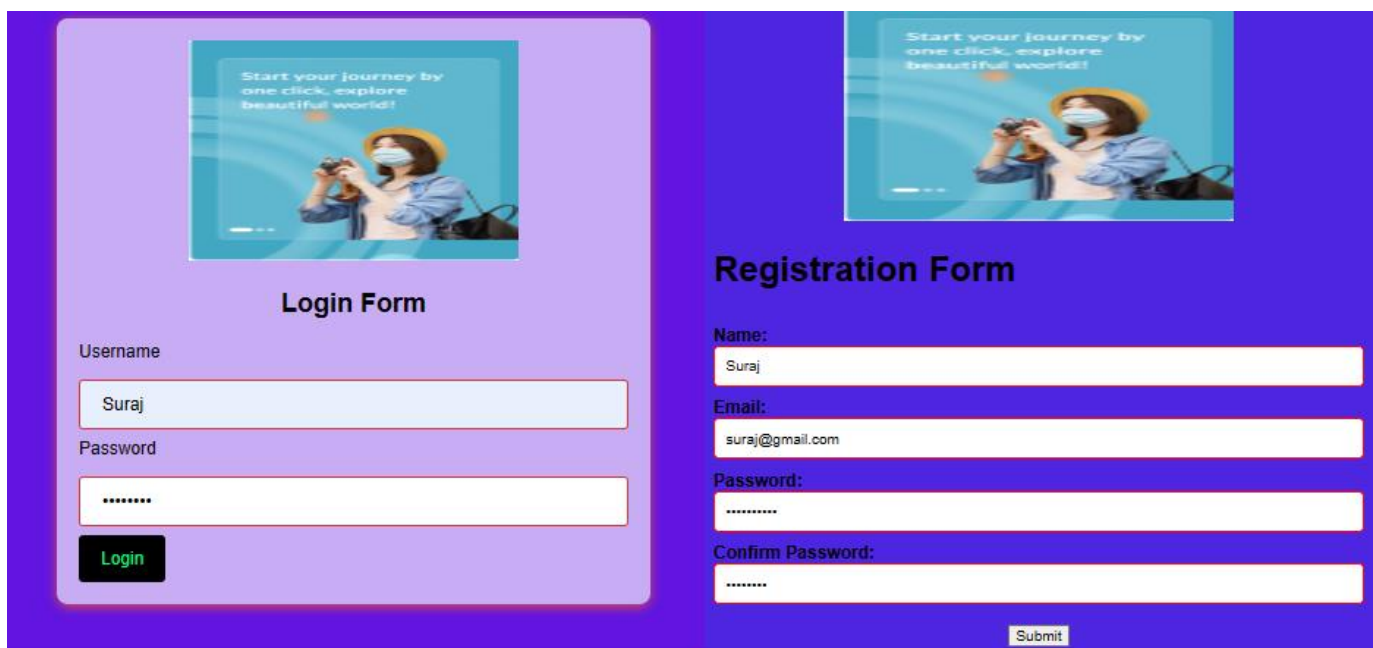
[Read More →](#)

12. Design a web page and display two different pages at a time.

Code:-

```
<html>
<head>
<title>Two Pages Displayed</title>
<style>
.page {
    width: 50%;
    height: 100vh;
    position: fixed;
    top: 0;
    left: 0;
    overflow: hidden;
    border: none; }
.page1 {
    background-color: #ff0000;
    z-index: 2; }
.page2 {
    background-color: #2200ff;
    left: 50%;
    z-index: 1; }
</style></head>
<body>
<iframe src="13.html" class="page page1"></iframe>
<iframe src="14.html" class="page page2"></iframe>
<script>
    var page1 = document.querySelector('.page1');
    var page2 = document.querySelector('.page2');
    function adjustPageHeight() {
        var maxHeight = Math.max(page1.contentWindow.document.body.scrollHeight,
        page2.contentWindow.document.body.scrollHeight);
        page1.style.height = maxHeight + 'px';
        page2.style.height = maxHeight + 'px';    }
    page1.addEventListener('load', adjustPageHeight);
    page2.addEventListener('load', adjustPageHeight);
    window.addEventListener('resize', adjustPageHeight);
</script>
</body>
</html>
```

Output:-



The screenshot displays a web page with a purple background. It features two side-by-side forms. The left form, titled 'Login Form', has a header image with the text 'Start your journey by one click, explore beautiful world!' and a person wearing a hat and mask. Below the image, there are input fields for 'Username' (containing 'Suraj') and 'Password' (masked with dots), and a 'Login' button. The right form, titled 'Registration Form', also has the same header image. It includes input fields for 'Name' (containing 'Suraj'), 'Email' (containing 'suraj@gmail.com'), 'Password' (masked with dots), and 'Confirm Password' (masked with dots), and a 'Submit' button.

13. Write a program to create a login form. On submitting the form, the user should get navigated to a profile page using JavaScript.

Code:-

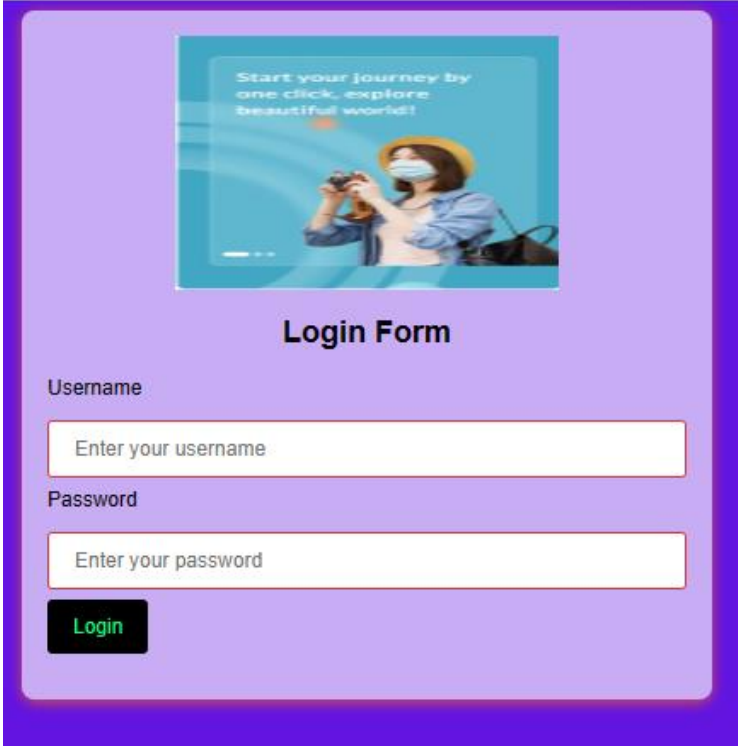
```
<html>
  <head>
    <meta charset="UTF-8">
    <title>Login Form</title>
    <style>
      body {
        background-color: #6214e1;      }
      .container {
        background-color: #fffffffa5;
        max-width: 500px;
        margin: auto;
        padding: 20px;
        border-radius: 10px;
        box-shadow: 0px 2px 10px #d74d4d;  }
      h2 {
        text-align: center;
        font-family: sans-serif;  }
      label {
        display: block;
        margin-bottom: 8px;
        font-family: sans-serif;    }
      input[type=text], input[type=password] {
        width: 100%;
        padding: 12px 20px;
        margin: 8px 0;
        border: 1px solid #cf3b3b;
        border-radius: 4px;
        box-sizing: border-box;
        font-size: 16px;
        font-family: sans-serif;      }
      button {
        background-color: #000000;
        color: #03ff7d;
        padding: 12px 20px;
        border: none;
        border-radius: 4px;
        cursor: pointer;
```

```

        font-size: 16px;
        font-family: sans-serif;    }
    button:hover {
        background-color: #00ff33;    }
</style>
</head>
<body>
    <div class="container">
        <center></center>
        <h2>Login Form</h2>
        <form>
            <label for="username">Username</label>
            <input type="text" id="username" name="username" placeholder="Enter your
username">
            <label for="password">Password</label>
            <input type="password" id="password" name="password" placeholder="Enter your
password">
            <button type="submit" onclick="login()">Login</button>
        </form>
    </div>
    <script>
        function login() {
            // Get the values of the username and password fields
            const username = document.getElementById("username").value;
            const password = document.getElementById("password").value;
            // Check if the username and password are correct (dummy check for
demonstration purposes)
            if (username === "myusername" && password === "mypassword") {
                // Navigate to the profile page
                window.location.href = "profile.html";
            } else {
                // Display an error message
                alert("Invalid username or password. Please try again."); } }
    </script>
</body>
</html>

```

Output:-



Start your journey by one click, explore beautiful world!

Login Form

Username

Password

Login

14. Write a code to create a Registration Form. On submitting the form, the user should be asked to login with the new credentials using JavaScript.

Code:-

```
<html>
  <head>
    <meta charset="UTF-8">
    <title>Registration Form</title>
    <style>
      body {
        font-family: Arial, sans-serif;
        background-color: #4e26e1;
      }
      .container {
        margin: auto;
        width: 50%;
        padding: 20px;
        background-color: #2734e4;
        border-radius: 10px;
        box-shadow: 0px 2px 5px rgba(244, 5, 5, 0.957);
      }
      h2 {
        text-align: center;
      }
      form {
        display: flex;
        flex-direction: column;
      }
      label {
        margin-top: 10px;
        font-weight: bold;
      }
      input[type="text"],
      input[type="email"],
      input[type="password"] {
        padding: 10px;
        border-radius: 5px;
        border: 1px solid #fc0c0c;
      }
      button[type="submit"] {
        padding: 10px;
        background-color: #0ff416;
        color: #0804f3;
        border: none;
        border-radius: 5px;
        cursor: pointer;
        margin-top: 20px;
      }
      button[type="submit"]:hover {
        background-color: #10f518;
      }
      .error {
        color: red;
        font-size: 14px;
        margin-top: 5px;
      }
    </style>
```

```

function validateForm() {
    var name = document.forms["registrationForm"]["name"].value;
    var email = document.forms["registrationForm"]["email"].value;
    var password = document.forms["registrationForm"]["password"].value;
    var confirmPassword = document.forms["registrationForm"]["confirm-
password"].value;
    // Check for empty fields
    if (name == "" || email == "" || password == "" || confirmPassword == "") {
        alert("Please fill in all fields.");
        return false;
    }
    // Check for valid email format
    var emailRegex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;
    if (!emailRegex.test(email)) {
        alert("Please enter a valid email address.");
        return false;
    }
    // Check that passwords match
    if (password !== confirmPassword) {
        alert("Passwords do not match.");
        return false;
    }
    // Registration successful, ask user to login
    alert("Registration successful! Please login with your new credentials.");
    return true;
}
</script>

```

```

</head>
<body>
    <center>
</center>
    <h1>Registration Form</h1>
    <form name="registrationForm" onsubmit="return validateForm()">
        <label for="name">Name:</label>
        <input type="text" id="name" name="name" required>
        <label for="email">Email:</label>
        <input type="email" id="email" name="email" required>
        <label for="password">Password:</label>
        <input type="password" id="password" name="password" required>
        <label for="confirm-password">Confirm Password:</label>
        <input type="password" id="confirm-password" name="confirm-password" required>
        <center><br><b>
        <input type="submit" value="Submit" ></b></center>
    </form>
</body>
</html>

```

Output:-



Registration Form

Name:

Email:

Password:

Confirm Password:

Submit

15. Write an HTML code to create your Institute website/Department website/ Tutorial website for specific subject. Also use Java Script for validation.

Code:-

```
<html>
  <head>
    <title>Department of Computer Science</title>
    <link rel="stylesheet" href="15.css">
    <script>
      function validateForm() {
        var name = document.forms["myForm"]["name"].value;
        var email = document.forms["myForm"]["email"].value;
        var message = document.forms["myForm"]["message"].value;
        if (name == "") {
          alert("Please enter your name");
          return false;
        }
        if (email == "") {
          alert("Please enter your email");
          return false;
        }
        if (message == "") {
          alert("Please enter a message");
          return false;
        }
      }
    </script>
  </head>
  <body>
    <header>
      <h1>Department of Computer Science</h1>
      <nav>
        <ul>
          <li><a href="#">Home</a></li>
          <li><a href="#">About</a></li>
          <li><a href="#">Faculty</a></li>
          <li><a href="#">Research</a></li>
          <li><a href="#">Contact</a></li>
        </ul>
      </nav>
```



```

</header>
<main>
  <section>
    <h2>Welcome to the Department of Computer Science</h2>
    <center></center>
    <p>
      The Department of Computer Science
      offers programs of study leading to
      the Bachelor of Science, Master of Science,
      and Doctor of Philosophy degrees in computer science.
    </p>
  </section>
  <section>
    <h2>About Us</h2>
    <p>
      The Department of Computer Science at
      Suraj University has a long history of
      excellence in research and education.
      Our faculty members are world-renowned
      experts in their fields, and our graduates
      go on to successful careers in industry and academia.
    </p>
  </section>
  <section>
    <h2>Faculty</h2>
    <ul>
      <li>Prof. Neha Sharma</li>
      <li>Dr. Raj Kumar</li>
      <li>Dr. Suraj Verma</li>
      <li>Prof. Mukesh Kumar</li>
    </ul>
  </section>
  <section>
    <h2>Research</h2>
    <p>
      Our department is involved in a
      variety of research projects in areas such as
      artificial intelligence, computer graphics,
      computer networks, databases, and software engineering.
      We have state-of-the-art facilities
      to support our research efforts.
    </p>
  </section>
  <section>
    <h2>Contact Us</h2>
    <form name="myForm" onsubmit="return validateForm()">
      <label for="name">Name:</label>
      <input type="text" id="name" name="name" />

      <label for="email">Email:</label>
      <input type="email" id="email" name="email" />

      <label for="message">Message:</label>
      <textarea id="message" name="message"></textarea>
      <input type="submit" value="Submit" />
    </form>
  </section>
</main>
<footer>
  <p>&copy; Department of Computer
    Science, Suraj University</p>
</footer>
</body>
</html>

```

CSS code:-

```
*| {
  box-sizing: border-box;
  margin: 0;
  padding: 0;
}
body {
  font-family: Arial, sans-serif;
  font-size: 16px;
  line-height: 1.5;
  margin: 0;
  padding: 0;
  background-color: #f2f2f2;
}
header {
  background-color: #333;
  color: #fff;
  padding: 20px;
}
header h1 {
  margin: 0;
}
nav ul {
  list-style: none;
  margin: 0;
  padding: 0;
}
nav li {
  display: inline-block;
}
nav li a {
  color: #fff;
  display: block;
  padding: 10px;
  text-decoration: none;
}
nav li a:hover {
  background-color: #555;
}
main {
  max-width: 960px;
  margin: 0 auto;
  padding: 20px;
  background-color: #fff;
  box-shadow: 0px 0px 10px rgba(0, 0, 0, 0.1);
}
section {
  margin-bottom: 40px;
}
section h2 {
  margin-top: 0;
  font-size: 28px;
  font-weight: bold;
  color: #333;
  text-transform: uppercase;
  letter-spacing: 2px;
}
```

```
ul {
  list-style: disc;
  margin-left: 20px;
}
footer {
  background-color: #333;
  color: #fff;
  padding: 20px;
  text-align: center;
}
form label {
  display: block;
  font-weight: bold;
  margin-bottom: 10px;
}
form input,
form textarea {
  border: 1px solid #ccc;
  border-radius: 4px;
  font-size: 16px;
  padding: 10px;
  width: 100%;
  margin-bottom: 20px;
}
form input[type="submit"] {
  background-color: #333;
  border: none;
  color: #fff;
  cursor: pointer;
  margin-top: 10px;
  padding: 10px;
}
form input[type="submit"]:hover {
  background-color: #555;
}
form input[type="submit"]:focus {
  outline: none;
}
form textarea {
  height: 100px;
}
form input[type="email"]:invalid {
  border-color: #ff0000;
}
form input[type="email"]:valid {
  border-color: #ccc;
}
@media screen and (max-width: 767px) {
  main {padding: 10px; }
  header h1 { font-size: 24px; }
  nav li a {padding: 5px;}
  section h2 { font-size: 24px; }
}
```

Output:-

Department of Computer Science

[Home](#) [About](#) [Faculty](#) [Research](#) [Contact](#)

WELCOME TO THE DEPARTMENT OF COMPUTER SCIENCE



The Department of Computer Science offers programs of study leading to the Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in computer science.

ABOUT US

The Department of Computer Science at Suraj University has a long history of excellence in research and education. Our faculty members are world-renowned experts in their fields, and our graduates go on to successful careers in industry and academia.

FACULTY

- Prof. Neha Sharma
- Dr. Raj Kumar
- Dr. Suraj Verma
- Prof. Mukesh Kumar

RESEARCH

Our department is involved in a variety of research projects in areas such as artificial intelligence, computer graphics, computer networks, databases, and software engineering. We have state-of-the-art facilities to support our research efforts.

CONTACT US

Name:

Email:

Message:

Submit