

## Lab Cycle 1

**CO1: Explore markup languages features and create interactive web pages using them.**

### **PROGRAM 1:**

Create an HTML webpage to design your CV which should showcase the use of text formatting tags, image embedding, tables, lists, and links within a page and also Link to multiple web pages.

### **PROGRAM CODE:**

#### **cv.html**

```
<html>
<head>
<style>
div{
background-color: #2f7bf5;
color: white;
font-family: sans-serif;
}

.body{
background-color:#51617a;
height: 150vh;
}

img{
margin-top: 30px;
border-radius: 50%;
}

h1, h3, a{
margin-top:100px;
margin-bottom:100px;
color: white;
}

ul{
color: white;
}
```

```
</style>
</head>
<body bgcolor="black">
CV program:

<center>
<div>
<h1>CV</h1>
</div>

<div class="body">
<a href="#bottom" id="top">Go to bottom</a> <br>

<h1> Favadh</h1>

<h3> Age: 22</h3>
<h3> Address: Aalinchuvad,

<br> kunnath appartements,
<br>

Malappuram</h3>
<h3> Phone No: 8954754756 </h3>

<a href="./edc.html"> Education Details </a> <br> <br> <br>

<a href="https://youtube.com">Youtube</a> <br> <br>

<a href="https://www.google.com">Google</a> <br> <br>
<br>
<a href="#top" id="bottom">Go to top</a> <br> <br>
</div>

</center>

<ul>
<li>This is to show the Unordered list:</li>
<li>hiiiiiii</li>
<li>hehehehhe</li>
<li>Hello wolrd</li>
</ul>
```

```
</body>
<html>
education.html

<html>
<head>
  <style>
    body{
      font-family: sans-serif;
      background-color: #638ca6;
      color: white;
    }
    div{
      margin-top: 110px;
    }
    table{
      font-size: 22px;
      border-color: black;
    }
    th, td{
      padding:10px;
      text-align: center;
    }
    td{
      font-size: 20px;
    }
  </style>
</head>
<body>
  <center>
    <div>
      <h1> Education Details</h1>
      <table border=1>
        <tr>
          <th>Status</th>
          <th>SSLC</th>
          <th>Plus two</th>
          <th>BCA</th>
        </tr>

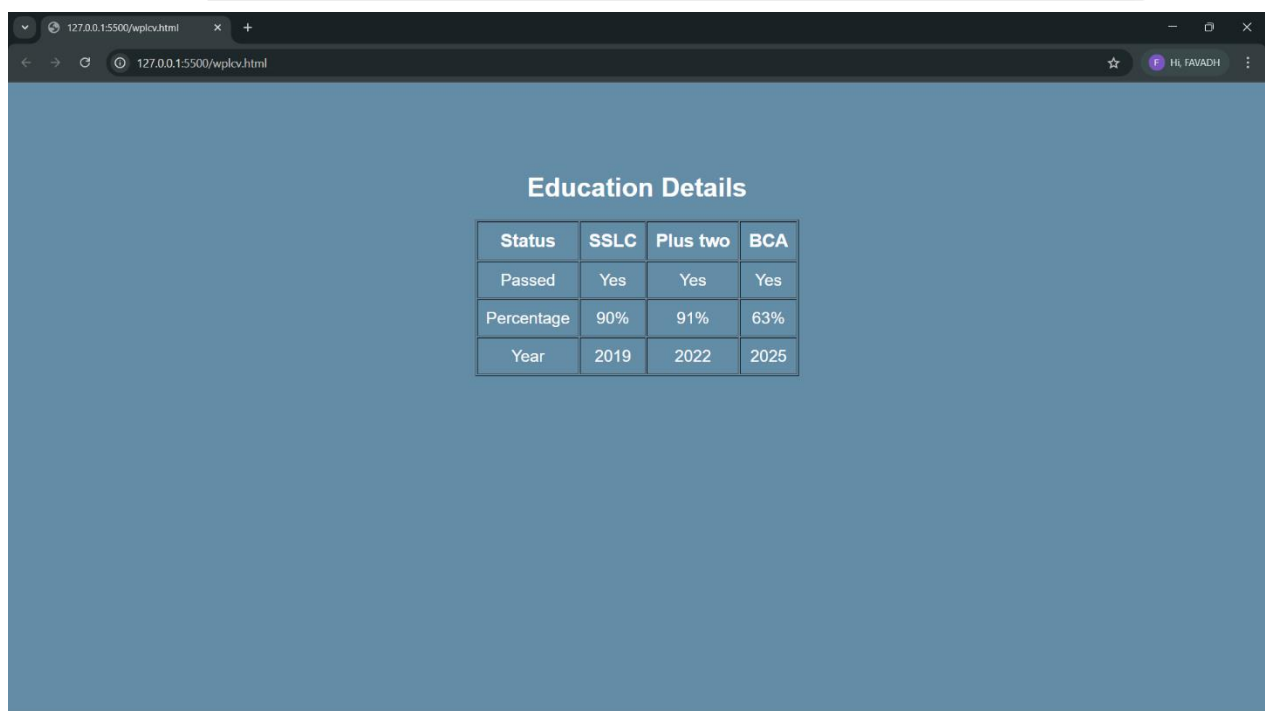
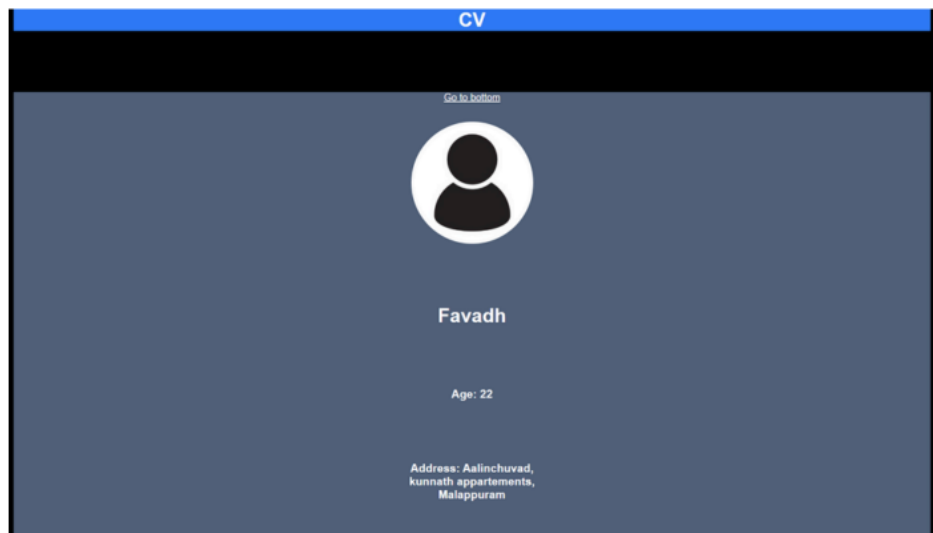
        <tr>
          <td>Passed</td>
```

```
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>

<tr>
  <td>Percentage</td>
  <td>90%</td>
  <td>91%</td>
  <td>63%</td>
</tr>

<tr>
  <td>Year</td>
  <td>2019</td>
  <td>2022</td>
  <td>2025</td>
</tr>
</table>
</div>
</center>
</body>
</html>
```

## OUTPUT:



**PROGRAM 2:**

Create a web page of two parts,

Part 1: MCA student registration form

Part 2: Webpage of the college. Use frames and various form elements to create the webpage.

**PROGRAM CODE:****Frameset:****home.html**

```
<html>
<head>
<title>Frameset - My Simple Task Page</title>
</head>
<frameset cols="45%, 55%">
<frame src="registration.html" name="form_area" frameborder="1">
<frame src="college.html" name="info_area" frameborder="1">
</frameset>
</html>
```

**college.html**

```
<html>
<head>
<title>College Info</title>
</head>
<body bgcolor="#ffff99" text="#333333">
<center>
<h1 style="color: blue; border: 2px solid blue; padding: 5px; background-color: white;">
Welcome to Central University College
</h1>
<marquee bgcolor="#ffcc66" behavior="alternate" scrollamount="4">
<font size="3" color="#990000">*** Admissions Open for MCA Batch 2025-27! Apply
Now ***</font>
</marquee>
<p>
<font size="4"><b>The Department of Computer Applications</b></font>
</p>
<hr width="70%" color="gray">
</center>
<table border="0" width="90%" align="center">
```

```

<tr>
<td valign="top" width="50%">
<h2><u>About Our Program</u></h2>
<p>
<font face="Verdana" size="2">
Our MCA is a two-year degree focused on modern software design and
development. We focus on core programming, database management, and networking
essentials. Our labs are equipped with Pentium III processors and running Windows 98
(just
kidding, we have modern gear!).
</font>
</p>
<h2><u>Faculty Highlights</u></h2>
<ul type="square">
<li><font>Highly Experienced</font> Professors.</li>
<li>Expertise in C, Java, and HTML!</li>
<li>Dedicated Computer Lab.</li>
</ul>
</td>
<td valign="top" width="50%">
<center>
<br>

</center>
<h2><u>Contact Info</u></h2>
<p>
<b>Phone:</b> 8798458447<br>
<b>Email:</b>muthoot@gmail.com <br>
<b>Address:</b> puthencruz, Ernakulam
</p>
</td>
</tr>
</table>
<br>
</body>
</html>

```





```
</td>
</tr>
<tr>
<td><b>Languages:</b></td>
<td>
<input type="checkbox" value="English"> English
<input type="checkbox" value="Malayalam"> Malayalam
</td>
</tr>
<tr>
<td><b>Address:</b></td>
<td>
<textarea name="address" rows="3" cols="35"></textarea>
</td>
</tr>
<tr>
<td colspan="2" align="center">
<br>
<input type="submit" value="submit">
<input type="reset" value="Clear">
</td>
</tr>
</table>
</form>
</body>
</html>
```

## OUTPUT:

The screenshot displays a web browser window with two tabs: 'muthoot institute of technology' and 'Frameset - My Simple Task Pa...'. The address bar shows the file path 'C:/Users/Favady/OneDrive/Desktop/WPL-2/home.html'. The page is a frameset with two main sections.

**Left Frame (Light Green Background):**

### MCA Student Registration

Student Name:

Email Address:

Gender: ☐ Male ☐ Female ☐ Other

UG Degree:

Languages: ☐ English ☐ Malayalam

Address:

**Right Frame (Yellow Background):**

### Welcome to Central University College

\*\*\* Admissions Open for MCA Batch 2025-27! Apply Now \*\*\*


The Department of Computer Applications

#### About Our Program

Our MCA is a two-year degree focused on modern software design and development. We focus on core programming, database management, and networking essentials. Our labs are equipped with Pentium III processors and running Windows 98 (just kidding, we have modern gear!).

#### Faculty Highlights

- Highly Experienced Professors.
- Expertise in C, Java, and HTML!
- Dedicated Computer Lab.



**Contact Info**

Phone: 8798458447  
Email: muthoot@gmail.com  
Address: puthencruz, Ernakulam

**PROGRAM 3:**

Create One Webpage about your hometown and its tourist attractions using Html, and External, Internal, and inline CSS. The following elements should be included in the webpage:

1. Html text formatting
2. Links to Wikipedia pages for further references
3. External, Internal, and Inline CSS
4. CSS should include font colour, positioning, background colours, text alignment etc.
5. Images of the hometown and its attractions.
6. Usage of div elements for styling.

**PROGRAM CODE:****Index.html**

```
<html>
<head>
<title>Nilambur</title>
<link rel="stylesheet" href="styles.css">
<style>
h2 {
color: #8b0000;
text-align: center;
font-style: italic;
background-color: #fafad2;
padding: 7px;
border: 1px solid #ff6347;
}
a {
color: #1e90ff;
text-decoration: none;
font-weight: bold;
}
</style>
</head>
<body>
<div class="header-div">
<h1 style="font-size: 40px; font-family: 'Verdana', sans-serif;">
<marquee behavior="alternate" direction="right" scrollamount="5" bgcolor="skyblue">
WELCOME TO NILAMBUR
</marquee>
</h1>
```

```
<p><small>The Land of Teak and a Major Town in the <b>Malappuram
District</b>.</small></p>
</div>
<div class="section-div">
<h2> Introduction to Nilambur </h2>
<center>

<p style="color: #483d8b; text-align: justify; line-height: 1.4;">
Nilambur is a <u>beautiful municipality</u> and a major commercial center in Kerala,
India. It's internationally known as the "Land of Teak" due to the <strong style="color:
#008000;">vast teak forests</strong> and historical plantations. It's located on the
banks of
the Chaliyar River and is surrounded by stunning hills and waterfalls.
</p>
</center>
<p style="text-align: left; background-color: #e6e6fa; padding: 10px; border-radius:
3px;">
<font size="3">For the official details, please check out the

<a href="https://en.wikipedia.org/wiki/Nilambur" target="_blank" style="text-
decoration: underline;">Nilambur Wikipedia Page</a>.</font>

</p>
</div>
<div class="section-div">
<h2>Top Tourist Attractions</h2>
<div style="float: right; margin-left: 15px; margin-bottom: 10px;">

</div>
<h3 style="color: #cd853f; text-align: left;">1. Nilambur Teak Museum</h3>
<p>
This is a very <i>important</i> spot! It is the world's first** teak museum. You can see
everything about the teak tree here, from the seed to the finished wood. It's a great
educational place for everyone!
<br>
(A must-see for all visitors!)
</p>
<p>
<a href="https://en.wikipedia.org/wiki/Nilambur_Teak_Museum"
target="_blank">More
```

Info on the Teak Museum</a>.

</p>

<br><br>

<div style="clear: both;"></div>

<div style="float: left; margin-right: 15px; margin-bottom: 10px;">



</div>

<h3 style="color: #cd853f; text-align: right;">2. Conolly's Plot</h3>

<p style="text-align: justify; font-weight: bold;"></p>

This is the <strong>oldest man-made teak plantation</strong> in the world, started by the British. You reach it by crossing a long, exciting

<span style="color: #a52a2a;">suspension bridge</span> over the Chaliyar River. It feels

like stepping back in time!

</p>

<p>

<a href="https://en.wikipedia.org/wiki/Nilambur" target="\_blank">See Nilambur's geographical features</a>.

</p>

<div style="clear: both;"></div>

<div style="float: right; margin-left: 15px; margin-bottom: 10px;">



</div>

<h3 style="color: #cd853f; text-align: left;">3. Nadukani Churam</h3>

<p style="text-align: justify;">

Nadukani Churam is a <b>breathtaking mountain pass</b> that offers panoramic views of lush valleys and misty hills. The winding roads, surrounded by dense forests and vibrant

greenery, make it a favorite spot for nature lovers and photographers. The cool breeze and

scenic beauty provide a refreshing escape from the bustle of town life.

</p>

<p>

<a href="https://en.wikipedia.org/wiki/Nadukani\_Churam" target="\_blank">Learn more

```
about Nadukani Churam</a>.  
</p>  
<div style="clear: both;"></div>  
</body>  
</html>
```

**Style.css:**

```
body {  
  
font-family: Arial, sans-serif;  
  
  
background-color: #f0f8ff;  
margin: 0;  
padding: 0;  
}  
  
.header-div {  
background-color: #008080;  
color: #ffd700;  
padding: 10px;  
text-align: center;  
border-bottom: 5px solid #ff4500;  
}  
  
.section-div {  
width: 75%;  
margin: 20px auto;  
padding: 15px;  
background-color: white;  
border: 5px dotted #008000;  
}  
  
.attraction-img {  
width: 250px;  
height: 150px;
```

```
border: 2px solid #333;
margin-top: 5px;
}
```

## OUTPUT:

**WELCOME TO NILAMBUR**

The Land of Teak and a Major Town in the Malappuram District

**Introduction to Nilambur**

Nilambur is a [beautiful municipality](#) and a major commercial center in Kerala, India. It's internationally known as the "Land of Teak" due to the [vast teak forests](#) and historical plantations. It's located on the banks of the Chaliyar River and is surrounded by stunning hills and waterfalls.


For the official details, please check out the [Nilambur Wikipedia Page](#).

**Top Tourist Attractions**

**1. Nilambur Teak Museum**


This is a very *important* spot! It is the world's first\*\* teak museum. You can see everything about the teak tree here, from the seed to the finished wood. It's a great educational place for everyone! (A must-see for all visitors!)

[More Info on the Teak Museum.](#)



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[More Info on the Teak Museum.](#)



**3. Nadukani Churam**

Nadukani Churam is a *breathtaking mountain pass* that offers panoramic views of lush valleys and misty hills. The winding roads, surrounded by dense forests and vibrant greenery, make it a favorite spot for nature lovers and photographers. The cool breeze and scenic beauty provide a refreshing escape from the bustle of town life.


[Learn more about Nadukani Churam.](#)



**2. Conolly's Plot**

This is the *oldest man-made teak plantation* in the world, started by the British. You reach it by crossing a long, exciting *suspension bridge* over the Chaliyar River. It feels like stepping back in time!


[See Nilambur's geographical features.](#)



**2. Conolly's Plot**

This is the *oldest man-made teak plantation* in the world, started by the British. You reach it by crossing a long, exciting *suspension bridge* over the Chaliyar River. It feels like stepping back in time!

[See Nilambur's geographical features.](#)



**PROGRAM 4:**

Create MITS college Website with the help of frames, style sheets, background colours, images, tables, and lists. There should be **multiple webpages** which are easily navigable by hyperlinks. Apply style sheets as well as floating, mixed, and navigation frames to design the webpages.

**PROGRAM CODE:****index.html**

```
<html>
<head>
<title>MITS College - Home</title>
</head>
<frameset cols="25%, *">
<frame src="nav.html" name="navFrame" frameborder="2" scrolling="no" noresize>
<frame src="main.html" name="contentFrame" frameborder="2" scrolling="auto">
<noframes>
<body>
<p>Your browser doesn't support frames!</p>
</body>
</noframes>
</frameset>
</html>
```

**main.html:**

```
<html>
<head>
<title>MITS Home</title>
<link rel="stylesheet" href="style.css">
</head>
<body bgcolor="#ffffff">
<div style="background-color: #ffcc99;
padding: 10px; border: 5px solid #ff6600;
text-align:
center;">
<h1 style="color: #a52a2a; margin:
0;">MITS College of Technology</h1>
<p><i>"APJ Abdul Kalam
University"</i></p>
</div>

<center>
```



```

</center>
<div style="padding: 15px;">
<h2>About MITS</h2>
<p>
Welcome to the MITS official website! We
are a newly established college committed
to providing quality education in technical
fields. Our campus is situated in a peaceful
and
green environment, which is perfect for
focused studying. We believe in practical
learning
and making sure our students are ready for
the job market!
</p>
<h2>Campus Facts</h2>
<table>
<tr>
<th>Detail</th>
<th>Status</th>
</tr>
<tr>
<td>Established Year</td>
<td>2020</td>
</tr>
<tr>
<td>Campus Area</td>
<td>15 Acres</td>
</tr>
<tr>
<td>Library Books</td>
<td>5000+</td>
</tr>
</table>
<h2>Why Choose Us?</h2>
<ul>
<li>Experienced and Friendly Faculty.</li>
<li>Low Fees and Affordable Education.</li>
<li>Fast Internet in All Labs.</li>
<li>Great Canteen Food!</li>
</ul>
</div>
</body>
```

</html>

### **courses.html**

```
<html>
<head>
<title>MITS - Academic Programs</title>
<link rel="stylesheet" href="style.css">
<style>
.course-table {
width: 80%;
margin: 20px auto;
border-collapse: collapse;
box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
}
.course-table th {
background-color: #add8e6;
color: #333;
font-weight: bold;
text-align: center;
}
.course-table td:nth-child(1) {
font-weight: bold;
color: #008000;
}
</style>
</head>
<body bgcolor="#ffffff">
<div style="padding: 15px;">
<h1 style="color: #0000ff;">Academic Programs Offered</h1>
<p style="text-align: center; font-style: italic;">We offer future-ready courses in
technology and applications.</p>
<table class="course-table">
<tr>
<th>Program Name</th>
<th>Duration</th>
<th>Eligibility</th>
</tr>
<tr>
<td>B.Tech in Computer Science & Engineering (CSE)</td>
<td>4 Years</td>
```

```

<td>10+2 Science Stream</td>
</tr>
<tr>
<td>B.Tech in Electronics & Communication (ECE)</td>
<td>4 Years</td>
<td>10+2 Science Stream</td>
</tr>
<tr>
<td>Master of Computer Applications (MCA)</td>
<td>2 Years</td>
<td>Any UG Degree (with Math)</td>
</tr>
<tr>
<td>Diploma in Software Development</td>
<td>1 Year</td>
<td>10+2 Any Stream</td>
</tr>
</table>
<h2>Key Highlights</h2>
<ul>
<li>Industry-standard curriculum.</li>
<li>Fully equipped modern laboratories.</li>
<li>Optional foreign language modules.</li>
<li>Strong focus on practical, project-based learning.</li>
</ul>

```

```

<p style="background-color: #ffffe0; border: 1px dashed orange; padding: 10px; text-align: center;">

```

```

<strong style="color: #a0522d;">Ready to apply?</strong> Click the Admissions link in the navigation panel!

```

```

</p>
</div>
</body>
</html>

```

### **contact.html**

```

<html>
<head>
<title>MITS - Admissions & Contact</title>

```

```
<link rel="stylesheet" href="style.css">
<style>
.contact-box {
border: 2px solid #556b2f;
padding: 15px;
margin: 15px 0;
background-color: #f8f8ff;
border-radius: 5px;
}
.contact-box h3 {
color: #556b2f;
border-bottom: 1px dotted #556b2f;
}
.contact-item {
margin-bottom: 10px;
}
</style>
</head>
<body bgcolor="#ffffff">
<div style="padding: 15px;">
<h1 style="color: #0000ff;">Admissions & Contact Information</h1>
<div class="contact-box">
<h3>Admissions Office</h3>
<p>
For all queries regarding courses, fees, and eligibility, please contact our dedicated
Admissions Team.
</p>
<div class="contact-item">
<strong>Email:</strong>
<a href="mailto:admissions@mits.edu" style="font-weight: bold; text-decoration:
underline;">muthoot@gmail.com</a>
</div>
<div class="contact-item">
<strong>Phone:</strong> 7984154484, (Mondays to Fridays, 9:00 AM - 4:00 PM)
</div>
</div>
<div class="contact-box">
<h3>College Address</h3>
<div class="contact-item">
<p>
```

Muthoot Institute of Technology and science<br>

Puthencruz, Muvattupuzha Road,<br>

<strong>Ernakulam- 54321</strong><br>

</p>

</div>

<div class="contact-item">

<strong style="color: #ff4500;">Visit our campus!</strong>

</div>

</div>

</div>

</body>

</html>

### **nav.html**

<html>

<head>

<title>Navigation</title>

<link rel="stylesheet" href="style.css">

</head>

<body bgcolor="#ccffff">

<center>

<h1><font color="#0000ff">MITS Menu</font></h1>

<hr width="90%" color="#ff0000">

<ul style="list-style-type: none; padding: 0;">

<li><a href="main.html" target="contentFrame">Home / About</a></li>

<br>

<li><a href="courses.html" target="contentFrame">Academic Programs</a></li>

<br>

<li><a href="contact.html" target="contentFrame">Admissions & Contact</a></li>

</ul>

<hr width="90%" color="#ff0000">

</center>

</body>

</html>

### **style.css**

body {

font-family: 'Verdana', Geneva, sans-serif;

color: #333333;

```
margin: 0;
padding: 0;
}
h1 {
color: #ff0000;
text-align: center;
padding-bottom: 5px;
}
h2 {
color: #800080;
border-left: 5px solid #00ff00;
padding-left: 10px;
}
a {
color: #0000ff;
text-decoration: none;
font-weight: bold;
font-size: 14pt;
}
a:hover {
color: #ff6600;
text-decoration: underline;
}
table {
border: 1px solid #000000;
width: 95%;
margin-top: 10px;
background-color: #e6e6fa;
}
th, td {

border: 1px solid #000000;
padding: 8px;
text-align: left;
}
ul {
list-style-type: square;
color: #008000;
}
.logo {
padding: 5px; }
```


## OUTPUT:

## MITS Menu

- Home / About
- Academic Programs
- Admissions & Contact

# MITS College of Technology

To exit full screen, press and hold Esc "Kalam University"



## About MITS

Welcome to the MITS official website! We are a newly established college committed to providing quality education in technical fields. Our campus is situated in a peaceful and green environment, which is perfect for focused studying. We believe in practical learning and making sure our students are ready for the job market!

## Campus Facts

Detail	Status
Established Year	2020
Campus Area	15 Acres
Library Books	5000+

## Why Choose Us?

- Experienced and Friendly Faculty.
- Low Fees and Affordable Education.
- Fast Internet in All Labs.
- Great Canteen Food!

## MITS Menu

- Home / About
- Academic Programs
- Admissions & Contact

## Academic Programs Offered

We offer future-ready courses in technology and applications.

Program Name	Duration	Eligibility
B.Tech in Computer Science & Engineering (CSE)	4 Years	10+2 Science Stream
B.Tech in Electronics & Communication (ECE)	4 Years	10+2 Science Stream
Master of Computer Applications (MCA)	2 Years	Any UG Degree (with Math)
Diploma in Software Development	1 Year	10+2 Any Stream

## Key Highlights

- Industry-standard curriculum.
- Fully equipped modern laboratories.
- Optional foreign language modules.
- Strong focus on practical, project-based learning.

Ready to apply? Click the Admissions link in the navigation panel!

## MITS Menu

- Home / About
- Academic Programs
- Admissions & Contact

## Admissions & Contact Information

### Admissions Office

For all queries regarding courses, fees, and eligibility, please contact our dedicated Admissions Team.

Email: [muthoot@gmail.com](mailto:muthoot@gmail.com)

Phone: 7984154484, (Mondays to Fridays, 9:00 AM - 4:00 PM)

### College Address

Muthoot Institute of Technology and science  
Puthencruz, Muvattupuzha Road,  
Ernakulam- 54321

Visit our campus!

**PROGRAM 5:**

Apply positioning methods of elements on a webpage with div elements and their corresponding classes using two external stylesheets. Compare the output with absolute, and relative positioning of div elements.

**PROGRAM CODE:****index.html**

```
<html>
<head>
<title>CSS Positioning Comparison</title>
<link rel="stylesheet" href="relative.css">
<link rel="stylesheet" href="absolute.css">
</head>
<body>
<h1 style="text-align: center; color: #333;">CSS Positioning
Comparison</h1>
<p style="text-align: center; font-style: italic;">(Relative vs.
Absolute)</p>
<div class="box-container">
<h2 style="color: #4682b4;">1. Relative Positioning</h2>
<p>The <b>Relative Box</b> shifts from its normal flow
position, but <b>keeps its
original space</b> in the document flow, preventing other
elements from occupying it. <br>
In here the relative box is <b>right: 40px</b> and <b>bottom:
20px</b></p>
<div class="box normal-box">Normal Box</div>
<div class="box relative-box">Relative Box</div>
</div>
<div class="absolute-container">
<h2 style="color: #556b2f;">2. Absolute Positioning</h2>
<p>The <b>Absolute Box</b> is removed from the normal
document flow and
positioned relative to its closest <b>positioned ancestor</b>
(the container). The space it
used to occupy is gone.<br> In here the relative box is <b>right:
30px</b> and <b>bottom:
30px</b></p>
<div class="box normal-box">Normal Box</div>
<div class="box absolute-box">Absolute Box</div>
</div>
```



```
</body>
</html>
```

### **relative.css:**

```
.box-container {
border: 3px solid #0066cc;
padding: 20px;
margin: 40px;
height: 300px;
background-color: #f0f8ff;
}
.box {
width: 150px;
height: 100px;
background-color: #4682b4;
color: white;
text-align: center;
font-size: 1.2em;
margin: 10px;
}
.relative-box {
position: relative;
right: 40px;
bottom: 20px;
background-color: #ff6347;
z-index: 10;
}
.normal-box {
background-color: #ccc;
color: #333;
}
}
```

### **absolute.css**

```
.box {
width: 150px;
height: 100px;
background-color: #4682b4;
color: white;
text-align: center;
line-height: 100px;
font-size: 1.2em;
margin: 10px;
}
```

```
}  
.absolute-container {  
position: relative;  
border: 3px solid #556b2f;  
padding: 20px;  
margin: 40px;  
height: 300px;  
background-color: #ffff0;  
}  
.absolute-box {  
position: absolute;  
right: 30px;  
bottom: 30px;  
background-color: #da70d6;  
z-index: 10;  
margin: 0;  
}
```

## OUTPUT:

