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**Web Designing Concepts**

**ASSIGNMENT 1**

# 1. Create a webpage with HTML describing your department. Use paragraph and list tags

```
<!-- 1. Create a webpage with HTML describing your department. Use
paragraph and list tags -->
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Web Page</title>
</head>

<body>
  <main>
    <p class="paragraph">
      The Computer applications Department aims to make a place at both
national and international level by
      producing high quality ethically rich computer application
engineers conversant with the state-of-the-art
      technology with the ability to adapt the upcoming challenges in
information technologies and their
      applications to cater to the ever changing industrial and societal
needs. It is committed to provide a
      supportive, friendly and challenging learning and research
environment. Moreover, it endeavours to establish
      itself as a centre of excellence in teaching and research to
produce skilled human resource for sustainable
      nation's growth and having technological impact on the people's
life. Part of our mission is to enable the
      students to acquire globally competence through developing their
problem solving skills and exposure to
      latest developments in area of computer application and
information technologies.

      The department offers BCA and Master of Computer Applications
programs. The programs are designed to provide
      a core Computer applications foundation, as well as concentration
courses that will equip learners with the
      necessary technical and research skills needed in industry and
academia.

      The department has a team of passionate academic staff with a wide
range of research interests. The faculty
      members of the Computer Applications Department have very strong
academic credentials. The department has 05
```

doctorates degrees from outstanding institutions and they are very active in research. The faculty has

commitment and dedication for teaching and providing a good learning environment for the student growth.

Keeping this in the view the department regularly organizes various seminars, conferences and workshop etc.,

with the funding from various agencies for the benefit of faculties and students in the area of computer applications.

```
</p>
<div class="list">
  <ul>
    <li>Home</li>
    <li>About</li>
    <li>Contact</li>
  </ul>
</div>
</main>
</body>

</html>
```

2. Apply various colors to suitably distinguish key words. Also apply font styling like italics, underline and two other fonts to words you find appropriate. Also use header tags.

```
<!-- 2. Apply various colors to suitably distinguish key words. Also apply
font styling like
italics, underline and two other fonts to words you find appropriate. Also use
header tags. -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Web Page</title>
</head>
<body>
  <h1>Colors can be set using RGB values</h1>

  <div style="background-color:rgb(255,0,0)"></div>
  <div style="background-color:rgb(255,255,0)"></div>
  <div style="background-color:rgb(0,255,0)"></div>
  <div style="background-color:rgb(0,255,255)"></div>
  <div style="background-color:rgb(0,0,255)"></div>

  <h1 style="color:rgb(255,0,0)">Heading</h1>
  <h1 style="color:rgb(255,255,0)">Heading</h1>
  <h1 style="color:rgb(0,255,0)">Heading</h1>
  <h1 style="color:rgb(0,255,255)">Heading</h1>
  <h1 style="color:rgb(0,0,255)">Heading</h1>
  <article>
    <header>
      <h1 style="font-style: italic;"></h1>A heading here</h1>
      <p style="font-style: underline;">Posted by PARAM</p>
      <p style="font-family: 'Courier New', Courier, monospace;">Some
additional information here</p>
      <p style="font-family:sans-serif ;"> <u>Thanks for Visiting</u> </p>
    </header>
  </article>
</body>
</html>
```

**3. Create links on the words e.g. “Wi-Fi” and “LAN” to link them to Wikipedia pages.**

```
<!-- 3. Create links on the words e.g. “Wi-Fi” and “LAN” to link them to
Wikipedia pages. -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Create Links</title>
</head>
<body>
  <div class="links">
    <a href="https://www.wikipedia.org/">Wi-Fi</a>
    <a href="https://www.wikipedia.org/">LAN</a>
  </div>
</body>
</html>
```

**4. Insert an image and create a link such that clicking on image takes user to other page.**

```
<!-- 4. Insert an image and create a link such that clicking on image takes
user to other page. -->
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Image</title>
</head>
<body>
  <div class="image">
    <a href="https://source.unsplash.com/"></a>
  </div>
</body>
</html>
```

5. Change the background color of the page. At the bottom create a link to take user to the top of the page.

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bottom link</title>
</head>
<body style="background-color: #11f8f8;">
  <div class="bottom">
    <a href="#top">go to the top</a>
  </div>
</body>
</html>
```

## 6. Create a table to show your class time-table.

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Time Table</title>
</head>

<body>
  <table border="1">
    <tr>
      <td> </td>
      <td>1</td>
      <td>2</td>
      <td>3</td>
      <td>4</td>
      <td>LUNCH-BREAK</td>
      <td>5</td>
      <td>6</td>
      <td>7</td>
    </tr>
    <tr>
      <td>Monday</td>
      <td>CA-304</td>
      <td>CA-301</td>
      <td>CA-302</td>
      <td>CA-307 <br>
        <hr> CA-308
      </td>
      <td> H | K </td>
      <td>CA-3012<br>
        <hr> CA-311
      </td>
      <td> CA-3012 <br>
        <hr> CA-311
      </td>
      <td> </td>
    </tr>
    <tr>
      <td>Tuesday</td>
      <td>CA-307 <br>
        <hr> CA-308
      </td>
      <td>CA-303</td>
```



```

        <td> CA-304</td>
        <td></td>
        <td> C | A </td>
        <td>CA-301</td>
        <td>PPP(APTI)</td>
        <td> </td>
    </tr>
    <tr>
        <td>Wednesday</td>
        <td>CA-303</td>
        <td>
            <hr>
        </td>
        <td> CA-310 <br>
            <hr> CA-312
        </td>
        <td>
            <hr>
        </td>
        <td> N | E </td>
        <td>CA-302</td>
        <td>CA-301</td>
        <td> </td>
    </tr>
    <tr>
        <td>Thursday</td>
        <td>CA-307 <br>
            <hr> CA-308
        </td>
        <td>CA-304</td>
        <td></td>
        <td></td>
        <td> U | R </td>
        <td>CA-302</td>
        <td>CA-301</td>
        <td>PPP(Soft Skill)</td>
    </tr>
    <tr>
        <td>Friday</td>
        <td>
            <hr>
        </td>
        <td>CA-11 <br>
            <hr>CA-310
        </td>
        <td>
            <hr>
        </td>
    </tr>

```

```
        <td>CA-303</td>
        <td> L | B </td>
        <td></td>
        <td></td>
        <td></td>
    </tr>
    <tr>
        <td>Saturday</td>
        <td>CA-303</td>
        <td>CA-302</td>
        <td>CA-304</td>
        <td>CA-307 <br>
            <hr> CA-308
        </td>
        <td></td>
        <td></td>
        <td></td>
        <td></td>
    </tr>
</table>

</body>

</html>
```

## 7. Use tables to provide layout to your HTML page describing your university infrastructure.

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Infrastructure</title>
</head>

<body>
  <table border="1">
    <tr>
      <td>Library</td>
      <br>
      <td>Hostel</td>
      <td>Sport Complex</td>
      <td>Labs</td>

    </tr>
    <tr>
      <td>
        <p>Integral University has central as well as departmental library. The central library has the collection of more than 0.1 million documents comprising of books, theses, journals, dissertations and CDs/DVDs in the fields of applied sciences, bio sciences, engineering, medical sciences, education, humanities, literature and management with a seating capacity of 600 readers. The library collection includes 99255 volumes. The library also has the subscription of 300 printed and 7010 online journals with 2731 eBooks, 47000 articles, 3700 full text articles and 5875 indexed articles through online databases like Oxford university press, Cambridge university press. The library is fully automated by automated software KOHA.</p>
        </td>
      <td>
        <p>Integral University has 3 hostels for boys and 2 hostels for girls. The facilities provided in the hostels are common room equipped with indoor game facilities, playground and courts for outdoor

```

games like badminton, volleyball, cricket, skating, lawn tennis, basketball, etc., gymnasium, 24 Hrs. wi-fi, water purifier, parking, guest rooms, reading room.

Boys HostelNumber of beds - 1100|Single Occupancy|In-Campus Hostel, Girls HostelNumber of beds - 1400|Single Occupancy|In-Campus Hostel</p>

</td>

<td>

<p>Available Facilities: Badminton Court|Cricket Ground|Football Ground|Hockey Ground|Volleyball Court|Table Tennis|Lawn Tennis</p>

</td>

<td>Available Facilities: Civil Engineering Lab|Chemistry Lab|Computer Lab|Electrical Lab|Language Lab|Mechanical Lab|Physics Lab|Genetic Engineering Lab</td>

</tr>

<table>

<tr>

<td>Moot Court (Law) |</td>

<td>Cafeteria |</td>

<td>Gym |</td>

<td>Hospital / Medical Facilities |</td>

<td>Wi-Fi Campus |</td>

<td>Shuttle Service |</td>

<td>Auditorium</td>

</tr>

</table>

</body>

</html>

**8. Use frames such that page is divided into 3 frames 20% on left to show contents of pages, 60% in center to show body of page, remaining on right to show remarks.**

```
<!DOCTYPE html>
<html>

  <head>
    <title>HTML Frames</title>
  </head>

  <frameset rows = "20%,60%,20%">
    <frame name = "top" src = "/html/top_frame.htm" />
    <frame name = "main" src = "/html/main_frame.htm" />
    <frame name = "bottom" src = "/html/bottom_frame.htm" />

    <noframes>
      <body>Your browser does not support frames.</body>
    </noframes>

  </frameset>

</html>
```

## 9.Embed Audio and Video into your HTML web page.

The `<video>` element allows you to embed a video very easily. A really simple example looks like this:

```
<video src="rabbit320.webm" controls>

  <p>Your browser doesn't support HTML5 video. Here is a <a
href="rabbit320.webm">link to the video</a> instead.</p>

</video>
```

Copy to Clipboard

The features of note are:

### src

In the same way as for the `<img>` element, the `src` (source) attribute contains a path to the video you want to embed. It works in exactly the same way.

### controls

Users must be able to control video and audio playback (it's especially critical for people who have epilepsy.) You must either use the `controls` attribute to include the browser's own control interface, or build your interface using the appropriate . At a minimum, the interface must include a way to start and stop the media, and to adjust the volume.

### **The paragraph inside the `<video>` tags**

This is called **fallback content** — this will be displayed if the browser accessing the page doesn't support the `<video>` element, allowing us to provide a fallback for older browsers. This can be anything you like; in this case, we've provided a direct link to the video file, so the user can at least access it some way regardless of what browser they are using

## 10. Change the background color of the frames.

```
<html>

<body style="background-color:green">
  <p>This is the left frame (frame_example_left.html).</p>
</body>

</html>
```