1a) Course Name: HTML5 - The Language Module Name: Case-insensitivity, Platform-independency, DOCTYPE Declaration, Types of Elements, HTML Elements - Attributes, Metadata Element Include the Metadata element in Homepage.html for providing description as ''IEKart's is an online shopping website that sells goods in retail. This company deals with various categories like Electronics, Clothing, Accessories etc.


```
<!DOCTYPE HTML>
<head>
    <title>ShopTime website</title>
    <meta charset="UTF-8">
    <meta name="description" content="ShopTime is an online shopping website that sells goods in retail. This company deals with various categories like Electronics, Clothing, Accessories etc">
    <meta name="keywords" content="clothing,footwear,shopping">
    <meta name="author" content="Myself">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</Head>
<body bgcolor="cyan">
    <h1 align="center"><i>ShopTime<i></h1>
    <h2 align="center"><i>One stop for all your needs<i></h2>
    <p>Here we are using meta tags like charset,name,author etc.</p>
</body>
</html>
```

OUTPUT:

**1b) Course Name: HTML5 - The Language Module Name: Sectioning Elements
Enhance the Homepage.html of IEKart's Shopping Application by adding appropriate
sectioning elements.**

```html
<!DOCTYPE HTML>

<head>
    <title>ShopTime website</title>
</Head>
<body bgcolor="cyan">
    <h1 align="center"><i>ShopTime<i></h1>
    <h2 align="center"><i>One stop for all your needs<i></h2>
    <nav align="center"><h3>
            Home || Login || Register || Wishlist || My Orders || Help</h3>
    </nav>
    <main>
        <section>
                <p>Clothing</p>
        </section>
        <section>
                <p>Footwear</p>
        </section>
        <section>
                <p>Electronics</p>
        </section>
        <section>
                <p>Furniture</p>
        </section>
        <section>
                <p>Cosmetics</p>
        </section>
    </main>
        <article>
                <h1>Special Offer</h1>
            <aside>
                <p>Download our app at PlayStore and win exciting prizes.</p>
            </aside>
        </arcicle><header>
</body>

<footer>
    Copyright @ WayFar, 2020
</footer>
</html>
```

OUTPUT:

ShopTime

One stop for all your needs

Home || Login || Register || Wishlist || My Orders || Help

Clothing

Footwear

Electronics

Furniture

Cosmetics

Special Offer

Download our app at PlayStore and win exciting prizes.

Copyright @ ShopTime, 2020

1c) Course Name: HTML5 - The Language Module Name: Paragraph Element, Division and Span Elements, List Element Make use of appropriate grouping elements such as list items to "About Us" page of IEKart's Shopping Application.

```html
<!DOCTYPE HTML>
<head>
    <title>ShopTime website</title>
</Head>
<body bgcolor="cyan">
    <h1 align="center"><i>ShopTime<i></h1>
    <h2 align="center"><i>One stop for all your needs<i></h2>
    <nav align="center"><h3>
        Home || Login || Track Order </h3>
    </nav>
     <p><img src="homeimg.png" alt="Top shopping brands" width="1350"
height="300"</p>

</body>
<footer>
   <a href=aboutus.html">About Us</a>
</footer>
</html>
```

OUTPUT:

Aboutus.html

```html
<!DOCTYPE HTML>
<html>
<head>
    <title>ShopTime website</title>
<meta name="viewport" content="width=device-width, initial-scale=1">
</Head>
<body bgcolor="cyan">
  <div class="about-section">
        <h1>About Us Page</h1>
            <p><span style="color:blue;font-weight:bold"><i>ShopTime</i></span> is an
indigenous e-commerce website discovering new ways to satisfy customer's needs.</p>
  </div>
  <h2>Founders</h2>
  <ul>
     <li>Jane Doe - Foumder &CEO</li>
     <li>John Doe - Art Designer</li>
  </ul>
</body>
</html>
```

OUTPUT:

About Us Page

ShopTime is an indigenous e-commerce website discovering new ways to satisfy customer's needs.

Founders

- Jane Doe - Foumder &CEO
- John Doe - Art Designer

1d) Course Name: HTML5 - The Language Module Name: Link Element Link "Login", "SignUp" and "Track order" to "Login.html", "SignUp.html" and "Track.html" page respectively. Bookmark each category to its details of IEKart's Shopping application.

```
<!DOCTYPE HTML>
<head>
    <title>ShopTime website</title>
    <meta charset="UTF-8">
    <meta name="description" content="ShopTime is an online shopping website that sells goods in retail. This company deals with various categories like Electronics, Clothing, Accessories etc">
    <meta name="keywords" content="clothing,footwear,shopping">
    <meta name="author" content="Myself">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</Head>
<body bgcolor="cyan">
    <h1 align="center"><i>ShopTime<i></h1>
    <h2 align="center"><i>One stop for all your needs<i></h2>
    <nav align="center"><h3>
    <a href="home.html">Home</a> ||<a href="login.html"> Login</a>
||<ahref="trackorder.html">Track Order</a> </h3>
    </nav>
     <p><img src="homeimg.png" alt="Top shopping brands" width="1350" height="300"</p>
</body>
<footer>
   Copyright @ ShopTime, 2020
</footer>
</html>
```

 OUTPUT:

1e) Course Name: HTML5 - The Language Module Name: Character Entities Add the © symbol in the Home page footer of IEKart's Shopping application

```html
<!DOCTYPE HTML>
<head>
    <title>ShopTime website</title>
    <meta charset="UTF-8">
    <meta name="description" content="ShopTime is an online shopping website that sells goods in retail. This company deals with various categories like Electronics, Clothing, Accessories etc">
    <meta name="keywords" content="clothing,footwear,shopping">
    <meta name="author" content="Myself">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</Head>
<body bgcolor="cyan">
    <h1 align="center"><i>ShopTime<i></h1>
    <h2 align="center"><i>One stop for all your needs<i></h2>
    <nav align="center"><h3>
        <a href="home.html">Home</a> ||<a href="login.html"> Login</a> || <a href="trackorder.html">Track Order</a> </h3>
    </nav>
     <p><img src="homeimg.png" alt="Top shopping brands" width="1350" height="300"</p>

</body>
<footer>
   &copy; ShopTime, 2020
</footer>
</html>
```

 OUTPUT:

1f) Course Name: HTML5 - The Language Module Name: HTML5 Global Attributes
Add the global attributes such as contenteditable, spellcheck, id etc. to enhance the
Signup Page functionality of IEKart's Shopping application.

```
<html>
<head><title>ShopTime</title></head>
<body bgcolor="cyan">
<h1 align="center"><i>ShopTime</i></h1>
<form>
<center>
<h3>Sign up</h3>
<table>
<tr><td>Name :</td><td> <input type="text"></td></tr>
<tr><td>Email:</td><td><input type="email" contenteditable="true" spellcheck="true" ></td></tr>
<tr><td>User Name :</td><td> <input type="text"></td></tr>
<tr><td>Date of birth:</td><td> <input type="date"></td></tr>
<tr><td>Password :</td><td>  <input type="password"></td></tr>
<tr><td>Confirm Password :</td><td>  <input type="password"></td></tr>
<tr><td></td><td align="center"><input type="submit"></td></tr>
</center>
</form>
</body>
</html>
```

OUTPUT:

2.a Course Name: HTML5 - The Language Module Name: Creating Table Elements, Table Elements : Colspan/Rowspan Attributes, border, cellspacing, cellpadding attributes Enhance the details page of IEKart's Shopping application by adding a table element to display the available mobile/any inventories.

```
<!DOCTYPE HTML>

<html>

 <head>

    <title>ShopTime Website</title>

 </head>

 <body bgcolor="cyan">

        <table cellspacing="1" cellpadding="0" border="1" align="center">

          <caption><h1>Electronics</h1></caption>

          <b> <tr bgcolor="white"><td>Smartwatches & Fitness trackers</td><td><img src="watch.jpg" alt="Smartwatches"></td></tr>

           <tr><td>Earbuds</td><td><img src="buds.jpg" alt="Earbuds"></td></tr>

           <tr bgcolor="white"><td>Speakers</td><td><img src="speaker.jpg" alt="Speakers"></td></tr></b>

        </table>

 </body>

</html>
```

OUTPUT:

2.b Course Name: HTML5 - The Language Module Name: Creating Form Elements, Color and Date Pickers, Select and Datalist Elements Using the form elements create Signup page for IEKart's Shopping application.

```html
<html>

 <body bgcolor="cyan">

 <form align="center">

   <table align=center>

      <caption><h1>Sign Up</h1></caption>

      <tr><td><label>First Name:</label></td><td><input type="text"></td><br>

      <tr><td><label>Email:</label></td><td><input type="email" ><br>

      <tr><td><label>Date of birth:</label></td><td><input type="date"></td>

      <tr><td><label>Gender: </label><td><input type="radio" name="gender"
value="Male"> Male <input type="radio" name="gender" value="Female">
Female</td><br>

      <tr><td><label>Mobile:</label></td><td><input type="number" ><br>

      <tr><td><label>Username:</label></td><td><input type="text"><br>

      <tr><td><label>Password:</label></td><td><input type="password" ><br>

      <tr><td><label>Confirm Password:</label></td><td><input type="password" ><br>

     <tr rowspan="3"><td><label>Address :<br></label></td><td><textarea rows="3"
cols="30" ></textarea></td></tr><br><br>

  </table>

    <br><button type="submit">Signup</button>

 </form>

 </body>

</html>
```

OUTPUT:

Sign Up

First Name:

Email:

Date of birth: dd - mm - yyyy

Gender: ○ Male ○ Female

Mobile:

Username:

Password:

Confirm Password:

Address :

Signup

2.c Course Name: HTML5 - The Language Module Name: Input Elements - Attributes Enhance Signup page functionality of IEKart's Shopping application by adding attributes to input elements.

```
<html>

 <body bgcolor="cyan">

 <form align="center">

 <table align=center>

 <h1 align="center"><i>ShopTime</i></h1>

 <caption><h3>Sign Up</h3></caption>

     <tr><td><label>Name:</label></td><td><input type="text"></td><br>

     <tr><td><label>Mobile:</label></td><td><input type="number"
autocomplete="on"></td><br>

     <tr><td><label>Date of birth:</label></td><td><input type="date"></td>

     <tr><td><label>Gender: </label><td><input type="radio" name="gender"
value="Male"> Male <input type="radio" name="gender" value="Female">
Female</td><br>

     <tr><td><label>Email:</label></td><td><input type="email"><br>

     <tr><td><label>Username:</label></td><td><input type="text" pattern="[A-Zaz]"
maxlength="20" minlength="9"><br>

     <tr><td><label>Password:</label></td><td><input type="password"
placeholder="********"><br>

     <tr><td><label>Confirm Password:</label></td><td><input type="password"
placeholder="********"><br>

     <tr rowspan="3"><td><label>Address :<br></label></td><td><textarea rows="3"
cols="30" spellcheck="true" ></textarea></td></tr><br><br>

 </table>

     <br><button type="submit">Signup</button>

 </form>

 </body>

</html>
```
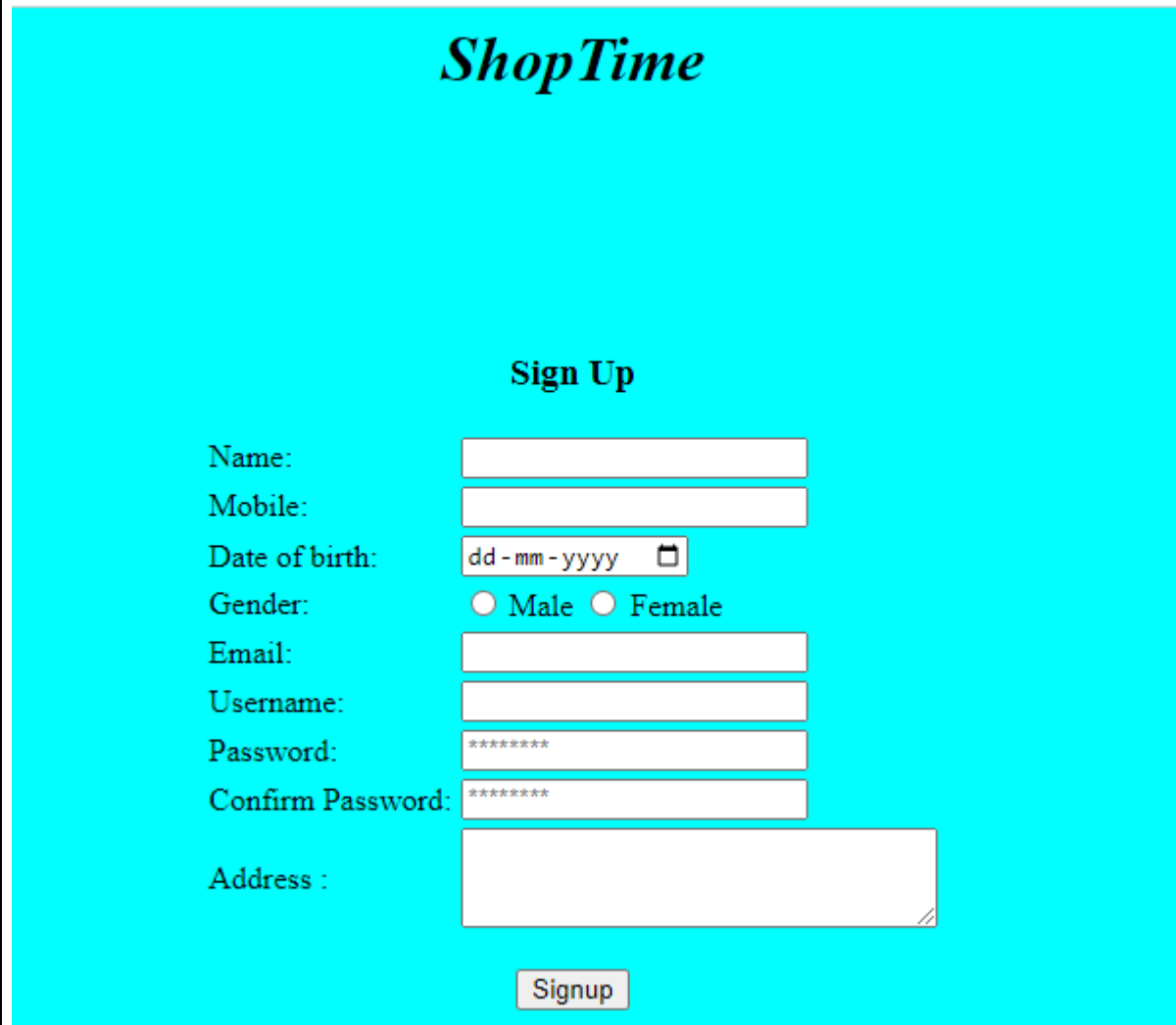
OUTPUT:

2.d Course Name: HTML5 - The Language Module Name: Media, Iframe Add media content in a frame using audio, video, iframe elements to the Home page of IEKart's Shopping application.

```html
<!DOCTYPE html>

<html>

<body bgcolor="cyan">

    <h1 align="center"><i>ShopTime<i></h1>

    <h2 align="center"><i>One stop for all your needs<i></h2>

    <header>

        <nav align="center"><h3>

            Home || Login || Register || Wishlist || My Orders || Help</h3>

        </nav>

        <center>

    </header>

 <p>

<iframe src="homeimg1.png" name="iframe_1 height="300" width="600" title="Iframe Example"></iframe>

<iframe src="video1.Mp4"  name="iframe_2" height="300" width="600" title="Iframe Example"></iframe>

<iframe src="audio.Mp3" name="iframe_3" height="100" width="1200" title="Iframe Example"></iframe></p>

</body>

<footer>

  Copyright @ ShopTime, 2020.

</footer>

</html>
```
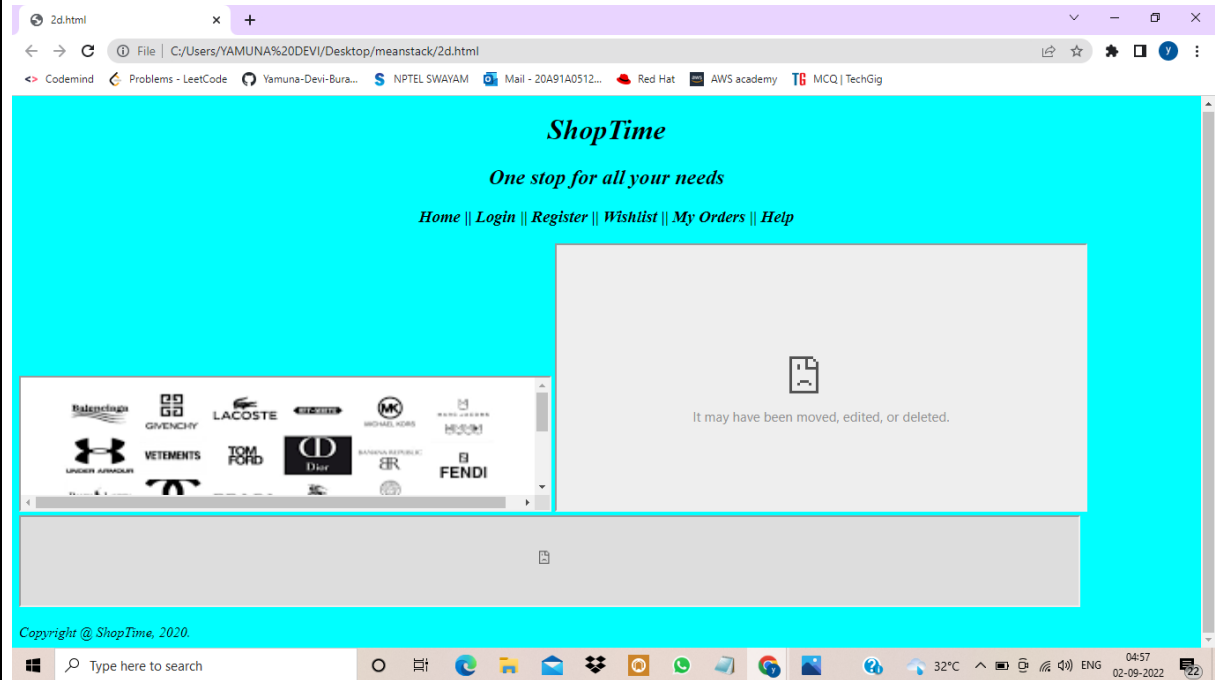
OUTPUT:

3.a Course Name: Javascript Module Name: Type of Identifiers Write a JavaScript program to find the area of a circle using radius (var and let - reassign and observe the difference with var and let) and PI (const).

```html
<html>
    <body>
      <h2>Area of a circle with var and let</h2>
       <script>
       var rad=10;
       const pi=3.14;
       area=pi*rad*rad;
      document.write("area of circle using var="+area+"<br>");
      var rad=14;
      area=pi*rad*rad;
      document.write("area of circle after re-assigning var=="+area+"<br>");
      let radius=10;
      area=pi*radius*radius;
      document.write("area of circle using let="+area+"<br>");
      </script>
    </body>
</html>
```

OUTPUT:

Area of a circle with var and let

area of circle using var=314
area of circle after re-assigning var==615.44
area of circle using let=314

LET:

```html
<html>
    <body>
      <h2>Area of a circle with var and let</h2>
       <script>
       var rad=10;
       const pi=3.14;
       area=pi*rad*rad;
      document.write("area of circle using var="+area+"<br>");
       var rad=14;
       area=pi*rad*rad;
      document.write("area of circle after re-assigning var=="+area+"<br>");
       let radius=10;
       area=pi*radius*radius;
      document.write("area of circle using let="+area+"<br>");
       let radius=14;
       area=pi*radius*radius;
      document.write("area of circle after re-assigning let="+area+"<br>");
       </script>
    </body>
</html>
```

OUTPUT:

Area of a circle with var and let

3.b Course Name: Javascript Module Name: Primitive and Non Primitive Data Types Write JavaScript code to display the movie details such as movie name, starring, language, and ratings. Initialize the variables with values of appropriate types. Use template literals wherever necessary.

```html
<!DOCTYPE html>
<html>
<body>
<h2>JavaScript Template Literals</h2>
<p id="demo"></p>
<p id="demo1"></p>
<script>
let MovieName = "Transformers";
let Starring = "Meghan Fox";
let Language = "English";
var Rating = "7.9";
let Movie = "San Andreas";
let Cast = "Dwayne Johnson";
let Lang = "English";
var Ratings = "8.5";
let text = `The movie  "${MovieName}" starring  ${Starring} originally in ${Language} has rating of ${Rating}`;
document.getElementById("demo").innerHTML = text;
let text1= `The movie  "${Movie}" starring  ${Cast} originally in ${Lang} has rating of ${Ratings}`;
document.getElementById("demo1").innerHTML = text1;
</script>
</body>
</html>
```

OUTPUT:

JavaScript Template Literals

The movie "Transformers" starring Meghan Fox originally in English has rating of 7.9!

The movie "San Andreas" starring Dwayne Johnson originally in English has rating of 8.5!

3.c Course Name: Javascript Module Name: Operators and Types of Operators Write JavaScript code to book movie tickets online and calculate the total price, considering the number of tickets and price per ticket as Rs. 150. Also, apply a festive season discount of 10% and calculate the discounted amount

```html
<!DOCTYPE html>

<html>

<head>

</head>

<body style = "text-align: center; font-size: 20px;">

<h1> Online seats reservation </h1>

Enter the number of seats: <input id = "number">

<br><br>

<button onclick = "m()">Pay only</button>

<p id = "res"></p>

<script>
function ticket(num)

{

actual=num*150;

discount=(actual/10);

afterdisc=actual-discount;

return afterdisc

}

function m()

{

var num = document.getElementById("number").value;

var f = ticket(num);

document.getElementById("res").innerHTML="The total price is " + num + " is: " + f ;

}
```
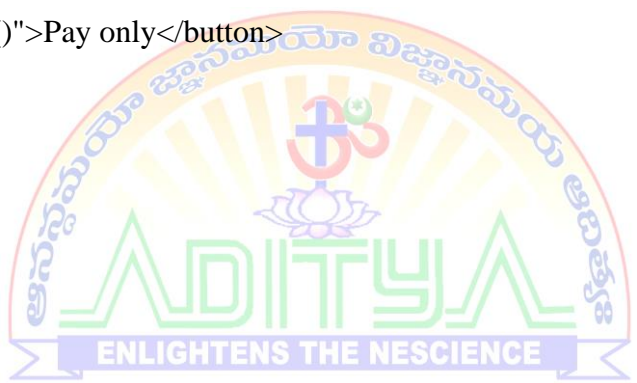
</script>

</body>

</html>

OUTPUT:

Online seats reservation

Enter the number of seats: 6

Pay only

The total price is 6 is: 810