Lesson-1 Project Activity (adv. HTML)

SOP 1 : **Creation of website using HTML5**

Create a website using HTML5 and CSS using any 4 CSS properties. Write a code for 2 separate pages having different file names such as first page as Index. html and second page as page2.html. Use any theme such as college profile or company profile etc. Every page must contain proper Meta information and design web page as follows-

1) The index page must contain a heading which is highest among other text on pages and must be at centre of the page. There must be a paragraph which introduces general information about the theme chosen must have at least 3 physical style tags and one image with alternate text. This page must be connected to other two pages with proper navigational links.

2) The 2nd page must contain the feedback or enrolment form related with theme chosen with features of HTML5. The form must contain text element and email address of the company or person. Include the submit button.

*** First HTML Form: Index Page (ashoka.html) ***

```
<html>
<head>
<title>ashoka universal school and junior college</title>
<meta charset="utf-8">
<meta name="description" content="https://www.ashokaschools.org/">
<meta name="keywords" content="ashoka universal school and junior
college,ashoka marg">
<style>
h1{background-color:skyblue;color:white;font-size:45pt;font-
family:arial;border-radius: 55px;}
img{border:4px solid darkblue;}
</style></head><body bgcolor="skyblue">
<h1 align="center">ASHOKA UNIVERSAL SCHOOL AND JUNIOR COLLEGE</h1>
<p><b><u>At Ashoka Group of Schools, education transcends the ordinary
to embrace the extraordinary.</u></b>
Ashoka is not just a school; it's a journey of excellence, a brand of
educational distinction that is committed to sculpting young minds and
hearts into vibrant, high-achieving, holistic individuals.
Our Distinctive Palette Ashoka is a masterpiece of education. We are
proudly accredited, offering a spectrum of recognized curricula
including
 Cambridge, ICSE, ISC, HSC, and a Preschool program. </p>
<big>Welcome to Ashoka, where the extraordinary is the norm.</big><br>
<i>Jr. College Commerce and science stream started.</i><br>
<center>
<img src="apg1.jpg" width="450" alt="aus"><br>
<center>
```

```html
<img src="aus2.jpg" width="450" alt="aus"><br>
<a href="feedbck.html">Click to fill feedback form</a>
</center>
</body>
</html>
```

*** Second HTML Form: Index Page (feedback.html) ***

```html
<html>
<head>
<title>ASHOKA UNIVERSAL SCHOOL AND JUNIOR COLLEGE | Feedback
Form</title>
<meta charset="utf-8">
<meta name="description" content="ashoka school Form">
<meta name="keywords" content="https://www.ashokaschools.org, Feedback
form">
<style>
<center>
table{background-color:white;border-radius:10px;}
h1{background-color:navy blue;color:navyblue;font-family:arial;border-
radius: 25px;}
</style>
</head>
<body bgcolor="white">
<h1 align="center">ASHOKA UNIVERSAL SCHOOL AND JUNIOR COLLEGE</h1>
<h2>Feedback Form</h2>
<form name="f1">
<table>
<tr><td>Enter Name: </td><td><input type="text" name="t1"></td></tr>
<tr><td>Email ID: </td><td><input type="email" name="em"></td></tr>
<tr><td>Mob. No.: </td><td><input type="text" name="mob"></td></tr>
<tr><td>Your Comment: </td><td><textarea name="ta1" rows="5" cols="30"
placeholder="Enter your
comment here.."></textarea></td></tr>
<tr><th colspan="2"><input type="submit" name="b1"
value="Submit"></th></tr>
</table></form>
<br>
<a href="ashoka1.html">Click here to go Home Page</a>
</body>
</html>
```

SOP 2 : **Create a webpage using HTML and CSS code to design a web page as the layout displayed below.**

The top section will display the heading , 'Tourist places' in header. The section on the left has list of cities. The right hand side displays tourist places of any one of the city .

Use Inline style sheet in the top section to display background color for the text 'Tourist places'. Use internal stylesheet for the left and right section with background color and font styles.


```
<html>
<head>
<title>tourist places</title>
<style>
style1{background-color:red;width:40%;height:40%;float:right}
style2{width:40%;float:left}
ol{font-style:italic;font-size:20pt}
ul{font-weight:bold;font-size:15pt}
</style>
</head>
<body>
<h1 align="center">Tourist place</h1><br>
<style2>
<h3>City</h3>
<ol>
<li>Pune</li>
<li>Bangalore</li>
<li>Hyderabad</li>
<li>Delhi</li>
</ol>
</style2>

<style1>
<h3>Tourist places in pune</h3>
<ul>
<li>Shanivarwada</li>
<li>Kelkar Museum</li>
<li>Sinhgad fort</li>
<li>Aga khan place</li>
</ul>
</style1> </body> </html>
```

Create a website using HTML and CSS code to design webpages as follows -

The first webpage will accept the name of the traveller, date of travel , telephone number . It also has submit button as an image .

The second webpage has information about the name of transporter, time , seat no and destination displayed one below the other in the form of unordered list as

Name of transporter – Air Asia

Time - 09:30 am

Seat no – B39

Destination - Delhi

Both pages should be interlinked. Create external stylesheet with relevant tags.

*** First HTML Form: Index Page (Traveller1.html) ***

```
<html>
<head>
<title>Thrifty Traveler
</title>
<link rel="stylesheet" type="text/css" href="sop3.css">
</head>
<body>
<h1 align="center">Traveller Information form</h1>

<form name="f1">
<h2>Enter your name</h2>
<input type="text" name="name"autocomplete><br><br>
<h2>Select Date of Travel</h2>
<input type="date" name="trvdate"><br><br>
<h2>Enter Telephone Number</h2>
<input type="tel" name="phone"
placeholder="123-353-3568"pattern="[0-9]{3}-[0-9]{3}[0-9]{4}"
required><br><br>
<input type="submit" name="submit" value="Submit">
</form>
<br><br>
<a href="sop3page2.html">Connect Second page</a>
</body> </html>
```

*** Second HTML Form: Index Page (Traveller2.html) ***

```
<html>
<head>
<title>
Information about Transporter
</title>
<link rel="stylesheet" type="text/css" href="sop3.css">
</head>
```

```
<body>
<h1 align="center">Information about Transporter</h1>
<ul>
<li>Name of Transporter -Air Asia</li>
<li>Time-09:30am</li>
<li>Seat no-B39</li>
<li>Destination-Delhi</li>
</ul>
<a href="sop3.html">Connect First page</a>
</body>
</html>
```

SOP 4 : **Creation of website using HTML5 and CSS.**

Create a webpage as given layout use <nav>,<header>,<footer>,<aside>, <article> with CSS.

```
<html>
<head>
<style>
header{background-color:skyblue;width:100%;height:20%}
nav{background-color:skyblue;width:100%;height:10%}
aside{background-color:teal;width:40%;float:right;height:50%}
section{background-color:aqua;width:60%;height:30%;float:left}
article{background-color:skyblue;width:60%;height:10%}
footer{background-color:skyblue;width:20%;height:20%}
</style>
</head>
<body>
<header>
<h1 align="Center">ASHOKA UNIVERSAL SCHOOL</h1><br>
IIT AND MEDICO GUIDE
</header>
<br>
<nav>
<a href="http://www.horne.in">HOME</a>
<a href="http://www.archives.in">ARCHIVES</a>
<a href="http://www.about.in">ABOUT</a>
<br>
</nav>
<br>
<aside>
<h2>OUR ACHIVEMENTS</h2>
Grade 10 ICSE BOARD RESULTS-80% Students are above 85%.<br><br><br><br>
Grade 12 ISC BOARD RESULTS-70% Students are above 85%.
 </aside>
<article>IIT GUIDE</article>
```

```html
<section>
<H3>3 Students topped in nashik in JEE mains exam which held in january
2023. </h3>
<br>
Aagam Kasaliwal,Navin Kumar and Skandha Kuntagod scored a whopping 99
percentile and above in the joint Entrance Examination.<br>
</section>
<br>
<section>
<h4>11 hours dedicated study system only in Nashik.<br>
Ventilated classroom with centralised AC.<br>
 Healthy Lunch and Hostel facility available.<br>
<br>24/7 Doubt solving session with IITians and Doctor.<br>
</h4>
</section>
<article><b>ASHOKA UNIVERSAL JUNIOR COLLEGE</b></article>
<section>
<h5>Experienced staff available for students .<br></h5>
Regular Assesments are taken .<br>
Extra curricular activities are taken.<br>
</section>
<footer>Footer Information</footer>
</body>
</html>
```

SOP 5 : Use of Audio on web pages using HTML5.

Create a webpage named audio.html to set an audio file in web page with
controls such that it uses HTML5 elements. The audio file must play as soon
as the webpage loads in browser and it will start over again, every time
when it is completed.

Create another webpage named audio1.html which provides multiple source
file formats for the same audio file that plays a sound automatically with
controls. The browser should display the message with appropriate attribute,
when audio file is not supported by browser. The code must incorporate the
list of sound files formats (like wav, MP3 or ogg etc).

*** First HTML File:(audio1.html) ***

```html
<html>
<head>
<title> </title>

</head>
<body align="center">
<h1>Testing Audio file in HTML </h1>
<audio controls autoplay loop="2">
<source src="audio.pro.mp3" type="audio/mp3" />
```

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

*** second HTML File: (audio2.html) ***

```
<html>
<head>
<title>
multiple audio files with controls</title>
</head>
<body>
<h1 font size=38px >Multiple audio files with controls</h1>
<h3>
The text between the audio tags will only be <br>displayed in
browsers that do not support the <br>audio element</h3>
<h3><u>list of sound files</u></h3>
<ol>
<li>mp3-audio/mpeg</li>
<li>wav-audio/wav</li>
</ol>
<audio controls autoplay>
<source src="song1.mp3" type="audio/mp3" />
<source src="sound1.wav" type="audio/wav" />

Your browser does not support the audio element
</audio>
</body>
</html>
```

SOP 6 : **Use of video on web pages using html5.**

Create a webpage named video.HTML to display a video file on web page and plays automatically with controls. The dimension of video area should be 150 * 150 pixels.

Create another webpage which provide multiple source file formats for the same audio file that plays a sound automatically with controls. The dimension of video area should be 100*100 pixels. The browser should display the message with appropriate attribute when audio file is not supported by browser. The code must incorporate the list of video files formats (like webM, MP4 or ogg etc).

```
</head>

 <body align="center">

<h1>Tesing Video File in HTML</h1>
```

```
<video width="150px" height="150px" controls autoplay>

<source src="T20 World Cup 2024.mp4" type="video/mp4" />

 Your browser does not support the video tag.

 </video>

 </body>

</html>
```

> ➤ Create a webpage named imagemap. html with an inserted image having jpeg, png or gif extension. Create 3 different shapes (like rectangle, circle and polygon) which do not overlap. Note the co-ordinates making use of Ms-Paint/GIMP/IrfanView/Pinta. Each shape should be mapped or navigate with a different URL that should navigate to a local webpage.

```
<html>
<body>

<h1>Example of Image Map</h1>
<b>There are three areas are clickable</b><br>
1.upper left corner of the image: google home page<br>
2.middle portion of the image: w3school.com<br>
3.bottom right corner of the image: CICSE.org<br>
<img src="beach.jpg" usemap="#imagemap" alt="Image of beach site" />
<map name="imagemap">
<area href="http://www.google.com" shape="rect" coords="0,0,93,65"
alt="google" />
<area href="http://www.w3school.com" shape="circle" coords="200,140,40"
alt="w3school" />
<area href="http://www.cicse.org" shape="circle" coords="450,250,50"
alt="CICSE" />
</map>

</body>
</html>
```
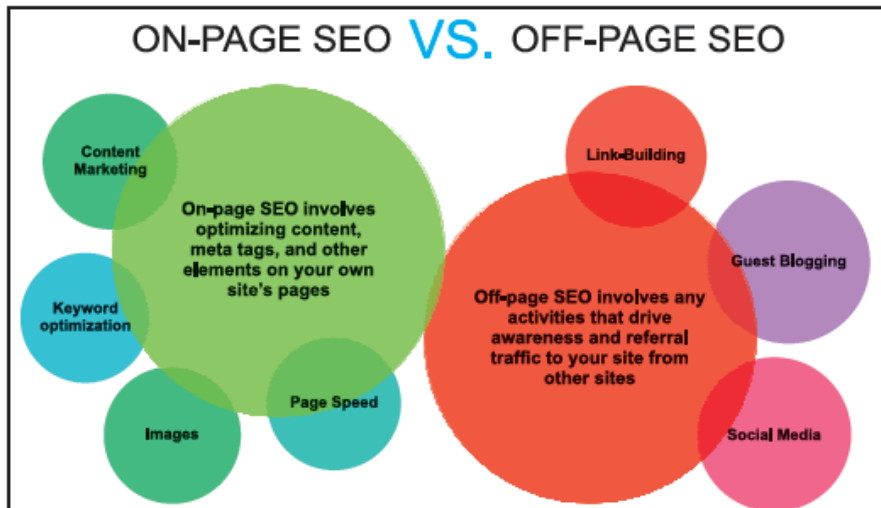
SOP 8 : Use of SEO methodology to improvise the website.

➢ Select a website.

➢ Use an appropriate SEO software and list out the page optimization requirements.

➢ Write down at least 4 suggestions to optimise the web pages.

➢ Write importance of SEO.

ON-PAGE SEO VS. OFF-PAGE SEO

Content Marketing

On-page SEO involves optimizing content, meta tags, and other elements on your own site's pages

Keyword optimization

Page Speed

Images

Link-Building

Off-page SEO involves any activities that drive awareness and referral traffic to your site from other sites

Guest Blogging

Social Media

Steps to be written….

Steps :

1. The website is https://snehasadan.org/
2. The software used is SEOoptimer
3. The four suggestions to improve website

For ONPAGE SEO

- Use meta data descriptions wherever needed
- Use alt tag in images
- Keywords are not distributed well across the important HTML tags.ie improve keyword consistency
- Page speed is good

For OFFPAGESEO

- Make friendly urls
- Not connected to any social media
- Guest blogging is not done
- 2 broken links found

Importance of SEO

- It is the technique for designing and developing a website to be rank high in search engine results.
- It is a subset of SEM(Search Engine Marketing).
- SEO is useful in increasing number of visitors in a website.