**WEEK 1:**

**AIM:**

Design the following static web pages required for an online book store web site.

1) HOME PAGE:

The static home page must contain three frames.

Top frame : Logo and the college name and links to Home page, Login page, Registration

page, Catalogue page and Cart page (the description of these pages will be given below).

Left frame : At least four links for navigation, which will display the catalogue of respective

links.For e.g.: When you click the link “IT” the catalogue for IT Books should be displayed

in the Right frame.

Right frame: The pages to the links in the left frame must be loaded here.

Initially this page contains description of the web site.

**head.html**

<html>

<head>

<frameset rows="20%,80%">

<frame src="topframe.html"name="f1">

<frameset cols="20%,80%">

<frame src="leftframe.html"name="f2">

<frame src="rightframe.html"name="f3">

</frameset>

</frameset>

</head>

</html>

**Login.html**

<html>

<head> <title> Login Page </title>

</head>

<body bgcolor=#86B049>

<form name="login">

<h3> <u> Login Page </u> </h3>

login: <input type="text" name="uname" ><br>

password: <input type="password" name="pwd" ><br>

<input type="submit" value="Submit" >

<input type="reset" value="reset">

</center> </form>

</body></html>

**Rightframe.html**

<html>

<body bgcolor=#DFF5CE>

<h1 align=center>

Hello Friends </h1>

<p align=center>

<h1>About Sreenidhi Educational Group</h1>

Sreenidhi Institute of Science and Technology–Hyderabad, sponsored by Sree Educational Group was established in the year 1997 by the Chairman, Dr. K.T. Mahhe, an extraordinary educationist, a pragmatic leader, and a dynamic entrepreneur with rich experience in Academics and Industry.

</p>

</body></html>

**Topframe.html**

<html>

<body bgcolor=#DEE2FC>

<p>

<img src="logo.jpg" align=left width=200 height=80>

<h1 align=center><img src="programming.gif" alt="Computer man" style="width:48px;height:48px;">\* \* \* SNIST LIBRARY \* \* \*<img src="programming.gif" alt="Computer man" style="width:48px;height:48px;"></h1>

</p>

<br>

<h2>&nbsp;&nbsp;&nbsp;&nbsp;

<a href="homepage.html" target="f3">

HOME

</a>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<a href="login.html" target="f3">

LOGIN

</a>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<a href="regis.html.html" target="f3">

REGISTRATION

</a>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<a href="catalog.html" target="f3">

CATALOGUE

</a>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<a href="cart.html" target="f3">

CART

</a>

&nbsp;

</h2>

</p>

</body>

</html>

**Leftframe.html**

<html>

<body bgcolor=#c8888A>

<a href="cse.html" target="f3">

<h3 align=center>CSE</h3>

</a>

<br>

<br>

<br>

<a href="it.html" target="f3">

<h3 align=center>

IT</h3>

</a>

<br>

<br>

<br>

<a href="ece.html" target="f3">

<h3 align=center>

ECE

</h3>

</a>

<br>

<br>

<br>

<a href="eee.html" target="f3">

<h3 align=center>

EEE

</h3>

</a>

</body>

</html>

**Homepage.html**

<html>

<body bgcolor=#F7AD19>

<center>

<p> Hello guys<br>Welcome to ebook store</p>

</center>

</body>

</html>

**Catalog.html**

<html>

<body bgcolor=#BFD834>

<center>

<table border="1">

<tr>

<th>book preview</th>

<th>book details</th>

<th>price</th>

<th>payment</th>

</tr>

<td><img src="bib.jpg"height=100></img>

</td>

<td>

<pre>

<font face="comic sans ms"size=4 color="green">

book:XML bible

author:winston

publisher:wiesly

</font>

</pre>

</td>

<td> &nbsp; $40 &nbsp; </td>

<td> &nbsp; &nbsp;

<a href="cart.html"target="blank">

<img src="" height="100" </img>

</a> &nbsp; &nbsp;

</td>

</tr>

<tr>

<td><img src="g105.jpg"height=100>

</img>

</td>

<td>

<pre>

<font face="comic sans ms" size4 color="green">

book:Girl in room no 105

author:Chetan Bhagat

publisher:BPB publications

</font>

</pre>

</td>

<td> &nbsp; $40 &nbsp; </td>

<td> &nbsp; &nbsp;<a href="cart.html"target="blank> </a>"

</td>

<img src=""height=100></img>

</a> &nbsp; &nbsp;

</td>

</tr>

</table>

</center>

</body>

</html>

**Cart.html**

<html>

<body bgcolor=#00AEAD>

<table cellspacing="50" cellpadding="20" border="1">

<tr>

<td>Book name</td>

<td>price</td>

<td>quantity</td>

<td>amount</td>

</tr>

<tr>

<td>java2</td>

<td>$35.5</td>

<td>2</td>

<td>$70</td>

</tr>

<tr>

<td>XML bible</td>

<td>$40.5</td>

<td>1</td>

<td>$40.5</td>

</tr> <tr>

<td></td>

<td></td>

<td>Total amount </td>

<td>130.5 </td>

</tr>

</body>

</html>

**OUTPUT:**

**Graphical user interface, text

Description automatically generated**

**Graphical user interface

Description automatically generated with medium confidence**

**Graphical user interface

Description automatically generated**

**A picture containing graphical user interface

Description automatically generated**

**Graphical user interface

Description automatically generated**

**WEEK 3:**

**AIM: VALIDATION:**

Write JavaScript to validate the following fields of the above registration page.

1. Name (Name should contains alphabets and the length should not be less than 6

characters).

2. Password (Password should not be less than 6 characters length).

3. E-mail id (should not contain any invalid and must follow the standard pattern

name@domain.com)

4. Phone number (Phone number should contain 10 digits only).

Note: You can also validate the login page with these parameters.

<!—Program for validating the username (Name should contains alphabets and the length

should not be less than 6 characters).

<html>

<head>

<title>Form validation</title>

<script language="javascript">

function button\_click()

{

var fname=f.fname.value;

var fpwd=f.fpwd.value;

var fcpwd=f.fcpwd.value;

var fph=f.ph.value;

var txtname=f.txtname.value;

var spchar = "!@#$%^&\*()+=-[]\\\';,./{}|\":<>?~";

var number="0123456789";

if(fpwd!=fcpwd)

{

alert("passwod not match");

}

else

{

alert("password matched");

}

if(fname.length<6)

{

alert("first name atleast 6 characters");

}

if(fname!="")

{

for (var i=0;i<fname.length;i++)

{

if(spchar.indexOf(fname.charAt(i))!= -1)

{

alert("Userid should not have special characters");

f.fname.value=" ";

return false;

}

}

}

if(fname!="")

{

for(var i=0;i<fname.length;i++)

{

if(number.indexOf(fname.charAt(i)) != -1)

{

alert("Userid should not have numbers");

f.fname.value="";

return false;

}

}

}

if(fname.length>=6)

{

alert("valid username");

}

if(fpwd.length>=6)

{

alert("valid password");

}

else

{

alert("password atleast 6 characters");

}

if(fph.length==10)

{

if(isNaN(fph))

{

alert("It is not a valid Phone number");

}

else

{

alert("It is a valid Phone number");

}

}

else

alert("Please enter a valid phone number");

if(f.txtname.value.indexOf('@')==-1)

{

alert("invalid");

}

else

if((f.txtname.value.indexOf('@')==0)||(f.txtname.value.indexOf('.')==0)||(f.txtname.value.indexOf('.')==0)>

(f.txtname.value.indexOf('@')))

{

alert("invalid email id");

f.txtname.value="";

}

else

alert("valid email id");

}

</script>

<body>

<center>

<form name="f">

<table>

<h2 align="center">VALIDATION</h2>

<tr>

<td align="right">USERNAME:</td>

<td><input type="text" name="fname" maxlength=20 size=30></td>

</tr><tr>

<td align="right">PASSWORD:</td>

<td><input type="password" name="fpwd" maxlength=20 size=30></td>

</tr>

<tr>

<td align="right">CONFIRM PASSWORD:</td>

<td><input type="password" name="fcpwd" maxlength=20 size=30></td>

</tr>

<tr>

<td align="right">PHONE NO:</td>

<td><input type="text" name="ph" maxlength=15 size=30></td>

</tr><tr>

<td align="right">Email-ID:</td>

<td><input type="text" name="txtname" maxlength=20 size=40></td></tr>

<tr>

<td><input type="button" value="SUBMIT" onClick="button\_click()"></td></tr>

</table>

</form>

</center>

</body>

</html>

**OUT PUT:**

A picture containing graphical user interface

Description automatically generated

Graphical user interface, application

Description automatically generated

**STUDENT REGISTRATION FORM:**

<Html>

<head>

<title>

Student Registration Form

</title>

</head>

<body bgcolor="white">

<h1 align="center">Student Registration Form</h1>

<br>

<br>

<form>

<label> Firstname </label>

<input type="text" name="firstname" size="15"/> <br> <br>

<label> Middlename: </label>

<input type="text" name="middlename" size="15"/> <br> <br>

<label> Lastname: </label>

<input type="text" name="lastname" size="15"/> <br> <br>

<label>

Course :

</label>

<select>

<option value="Course">Course</option>

<option value="BCA">BCA</option>

<option value="BBA">BBA</option>

<option value="B.Tech">B.Tech</option>

<option value="MBA">MBA</option>

<option value="MCA">MCA</option>

<option value="M.Tech">M.Tech</option>

</select>

<br>

<br>

<label>

Gender :

</label><br>

<input type="radio" name="male"/> Male <br>

<input type="radio" name="female"/> Female <br>

<input type="radio" name="other"/> Other

<br>

<br>

<label>

Phone :

</label>

<input type="text" name="country code" value="+91" size="2"/>

<input type="text" name="phone" size="10"/> <br> <br>

Email:

<input type="email" id="email" name="email"/> <br>

<br> <br>

Password:

<input type="Password" id="pass" name="pass"> <br>

<br> <br>

Re-type password:

<input type="Password" id="repass" name="repass"> <br> <br>

<input type="button" value="Submit"/>

<input type='Reset' value='Reset'/>

</form>

</body>

</html>

**OUTPUT:**  
Graphical user interface, text, application

Description automatically generated

**WEEK 4:**

**AIM:**Develop and demonstrate the usage of inline, internal and external style sheet using CSS. Aim: Design a web page using CSS which includes the following: 1) Use different font styles 2) Control the repetition of image with background-repeat and no-repeat property 3) Define style for links as a: link, a: active, a: hover, a: visited 4) Add customized cursors for links.4) Define styles for links as A:link A:visited A:active A:hover

**Style.css**

p.center

{

text-align:center;

text-decoration:underline;

text-transform:uppercase;

letter-spacing:-3px;

word-spacing:20px;

font-size:larger;

}

p.right

{

text-align:right;

color:red;

font-family:Tahoma;

font-size:15pt;

text-decoration:overline;

font-style:italic;

}

b#headline

{

color:orange;

font-size:22px;

font-family:arial;

text-decoration:underline; }

**sample.html**

<html>

<head>

<style type="text/css">

body

{

background-image:url(“img.jpg”);

background-size: 2000px 2000px;

background-repeat:no-repeat;

background-position:center center;

background-attachment:fixed;

background-color:pink;

}

a:link { text-decoration:none;color:orange; }

a:visited { text-decoration:none;color:red; }

a:hover { text-decoration:underline;color:blue; }

a:active { text-decoration:underline;color:purple; }

h3 { color:green; }

.c1{cursor:crosshair}

.c2{cursor:pointer}

.c3{cursor:move}

.c4{cursor:text}

.c5{cursor:wait}

.c6{cursor:help}

</style>

<link rel="stylesheet" type="text/css" href="style.css">

</head>

<body bgcolor="cyan">

<h1 style="color:blue;text-align:center;"> CSS (Inline, Internal and External) </h1>

<p>This Paragraph is a Not Styled</p>

<p class="left">This Paragraph is Styled by class "Left"</p>

<p class="center">This Paragraph is Styled by class "Center"</p>

<p class="right">This Paragraph is Styled by class "Right"</p>

<b>This is normal Bold</b> <br>

<b id="headline">This Bold Text is Styled </b>

<h2><b><a href=" ">This is a link</a></b></h2>

<h3 class="c1">The cursor over this element is plus sign</h3>

<h3 class="c2">The cursor over this element is a pointing hand</h3>

<h3 class="c3">The cursor over this element is a grasping hand</h3>

<h3 class="c4">The cursor over this element is a I bar</h3>

<h3 class="c5">The cursor over this element is a wait</h3>

<h3 class="c6">The cursor over this element is a question mark</h3>

</html>

**OUTPUT:**

**Graphical user interface, text, application, chat or text message

Description automatically generated**

**CREATING A TABLE:**

<html>

<head>Table</head>

<table>

<style> table th,td {

border:1px solid black;

}

</style>

<tr>

<th> std name</th>

<th> rno</th>

<th>section c</th>

</tr>

<tr>

<td>Raghupathi</td>

<td>120871</td>

<td>c</td>

</tr>

<tr>

<td>Raghava</td>

<td>120562</td>

<td>c</td>

</tr>

<tr>

<td>RajaRam</td>

<td>1206783</td>

<td>c</td>

</tr>

</table>

</html>

**OUTPUT:**

**A picture containing background pattern

Description automatically generated**

**CREATING HTML page with font and Image inserted in it.**

<html>

<title>week 4 </title>

<head> font Styles </head>

<style>

p.italic{

font-style:italic;

}

p.oblique

{

font-style:oblique;

}

</style>

<body>

<div id="im1">

<p class="italian">hi a very good afternoon.</p>

<p class="oblique">hia very good afternoon!,</p>

<img src="imm.jpg">

</div>

</body>

</html>

**output:**

**Graphical user interface, application

Description automatically generated**

**HTML page with Paragraph tag and Heading tags.**

<html>

<title>week 4 </title>

<head> font Styles </head>

<body>

<p>This is a paragraph tag</p>

Headings

<h1>This is H1</h1>

<h2>This is H2</h2>

<h3>This is H3</h3>

<h4>This is H4</h4>

<h5>This is H5</h5>

<h6>This is H6</h6>

</body>

</html>

**OUTPUT:**

Graphical user interface, text, application

Description automatically generated with medium confidence

**HTML lists:**

<html>

<body>

<head>

welcome to Html

</head>

<h1>ORDERED LIST</h1>

<ol>

<li>abdcrfdgfgggg</li>

<li>bgefrgh</li>

</ol>

<h1>UNORDERED LIST</h1>

<ul>

<li>abdcrfdgfgggg</li>

<li>bgefrgh</li>

</ul>

</body>

</html>

**OUTPUT:**

**Text

Description automatically generated**

**Week 12:**

**Write a PHP to test the database connection**

<?php

$servername = "localhost";

Susername="username";

Spassword = "password";

// Create connection

Sconn = new mysqli($servername, $username, $password); Check connection

if (Sconn->connect\_error) {

die("Connection failed: ", $conn->connect\_error);

}

echo "Connected successfully";

?>

OUTPUT:

**Write a PHP to create Database**

<?php  
$servername = "localhost";  
$username = "username";  
$password = "password";  
// Create connection  
$conn = new mysqli($servername, $username, $password);  
// Check connection  
if ($conn->connect\_error) {  
    die("Connection failed: " . $conn->connect\_error);  
}   
// Create database  
$sql = "CREATE DATABASE myDB";  
if ($conn->query($sql) === TRUE) {  
    echo "Database created successfully";  
} else {  
    echo "Error creating database: " . $conn->error;  
}  
$conn->close();  
?>

**Write a php to create Table**

<?php  
$servername = "localhost";  
$username = "username";  
$password = "password";  
$dbname = "myDB";  
// Create connection  
$conn = new mysqli($servername, $username, $password, $dbname);  
// Check connection  
if ($conn->connect\_error) {  
    die("Connection failed: " . $conn->connect\_error);  
}   
// sql to create table  
$sql = "CREATE TABLE Registration(  
id INT(6) UNSIGNED AUTO\_INCREMENT PRIMARY KEY,   
firstname VARCHAR(30) NOT NULL, Phone\_no number(30) NOT NULL,  
email VARCHAR(50), gender varchar2(20), DOB date, Lang varchar2(20),

Address varchar2(40)  
)";  
if ($conn->query($sql) === TRUE) {  
    echo "Table MyGuests created successfully";  
} else {  
    echo "Error creating table: " . $conn->error;  
}

$conn->

close();  
?>

**OUT PUT:**

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

**Week 13:**

**Write a PHP to insert values form HTML to database(registration Page)**

**HTML PAGE**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Add Records Form</title>

</head>

<body>

<form action="insert.php" method="post">

<p>

<label for="firstName">First Name:</label>

<input type="text" name="first\_name" id="firstName">

</p>

<p> <label for="phone\_no">Phone number:</label>

<input type="text" name="ph\_no" id="ph\_no"> </p>

<p> <label for="emailAddress">Email Address:</label>

<input type="text" name="email" id="emailAddress"> </p>

<p> <label for="gender">Gender:</label>

<input type="text" name="gender" id="genderder"> </p>

<p>

<label for="Address">Address:</label>

<input type="text" name="address" id="Address">

</p>

<p>

<label for="DOB">DOB:</label>

<input type="text" name="dob" id="dob">

</p>

<p>

<label for="Language">Language Known:</label>

<input type="text" name="lang" id="lang">

</p>

<input type="submit" value="Add Records">

</form>

</body>

</html>

**PHP to insert values**

<?php

$link = mysqli\_connect("localhost", "username", "password", "demo");

// Check connection

if($link === false){

die("ERROR: Could not connect. " . mysqli\_connect\_error());

}

//Fetching values form html

$first\_name = mysqli\_real\_escape\_string($link, $\_REQUEST['first\_name']);

$phone\_no = mysqli\_real\_escape\_string($link, $\_REQUEST['phone\_no']);

$email = mysqli\_real\_escape\_string($link, $\_REQUEST['email']);

$gender = mysqli\_real\_escape\_string($link, $\_REQUEST['gender']);

$address = mysqli\_real\_escape\_string($link, $\_REQUEST['address']);

$dob = mysqli\_real\_escape\_string($link, $\_REQUEST['dob']);

$lang = mysqli\_real\_escape\_string($link, $\_REQUEST['lang']);

// attempt insert query execution

$sql = "INSERT INTO registration VALUES ('$first\_name', '$phone\_no', '$email','$gender','$address','$dob','$lang')";

if(mysqli\_query($link, $sql)){

echo "Records added successfully.";

} else{

echo "ERROR: Could not able to execute $sql. " . mysqli\_error($link);

}

// close connection

mysqli\_close($link);

?>

OUT PUT:

Graphical user interface, text, application, email

Description automatically generated

**Write a PHP to select values form database table.**

<?php

$link = mysqli\_connect("localhost", "username", "password", "demo");

// Check connection

if($link === false){

die("ERROR: Could not connect. " . mysqli\_connect\_error());

}

// Attempt select query execution

$sql = "SELECT \* FROM registration";

if($result = mysqli\_query($link, $sql)){

if(mysqli\_num\_rows($result) > 0){

echo "<table>";echo "<tr>";echo "<th>id</th>";echo "<th>first\_name</th>";

echo "<th>phone\_no</th>";

echo "<th>email</th>";

echo "<th>gender</th>";

echo "<th>ADDRESS</th>";

echo "<th>Dob</th>";

echo "<th>lang</th>";

echo "</tr>";

while($row = mysqli\_fetch\_array($result)){

echo "<tr>";

echo "<td>" . $row['id'] . "</td>";

echo "<td>" . $row['first\_name'] . "</td>";

echo "<td>" . $row['phone\_no'] . "</td>";

echo "<td>" . $row['email'] . "</td>";

echo "<td>" . $row['gender'] . "</td>";

echo "<td>" . $row['address'] . "</td>";

echo "<td>" . $row['dob'] . "</td>";

echo "<td>" . $row['lang'] . "</td>";

echo "</tr>";

}

echo "</table>";

// Free result set

mysqli\_free\_result($result);

} else{

echo "No records matching your query were found.";

}

} else{

echo "ERROR: Could not able to execute $sql. " . mysqli\_error($link);

}

// Close connection

mysqli\_close($link);

?>

**Write a PHP to update existing records of a database table.**

<?php

$link = mysqli\_connect("localhost", "username", "password", "demo");

// Check connection

if($link === false){

die("ERROR: Could not connect. " . mysqli\_connect\_error());

}

// Attempt update query execution

$sql = "UPDATE registration SET email='xyz@abcdmail.com' WHERE id=1";

if(mysqli\_query($link, $sql)){

echo "Records were updated successfully.";

} else {

echo "ERROR: Could not able to execute $sql. " . mysqli\_error($link);}

// Close connection

mysqli\_close($link);

?>

OUTPUT:

Graphical user interface, text, application, email, website

Description automatically generated

**Write a PHP to validate user login**

a).

<html>

<title>login page</title>

<form method="post" action="login.php">

Username:<input type="text" name="username" placeholder="Enter username"><br>

password:<input type="password" name="password" placeholder="Enter the password"><br>

<input type="submit" name="submit">

<input type="reset" name="reset">

</form>

</html>

b.)

<?php

$con=mysqli\_connect('localhost','username','password','database');

if(isset\_POSt['submit']){

$name=$\_POST['username'];

$password=$\_POST['password'];

$sql=mysqli\_query("select name,password from table name where name=$name and password=$password");

$result=mysqli\_query($con,$sql);

if(mysqli\_num\_rows($result)>0)

{

header("location: home.php");

}

else { echo "login denied"; }}?>

**Write Servlet program to print "Hello World"**

import java.io.\*;

import javax.servlet.\*;

import javax.servlet.http.\*;

// Extend HttpServlet class

public class HelloWorld extends HttpServlet {

private String message;

public void init() throws ServletException {

// Do required initialization

message = "Hello World";

}

public void doGet(HttpServletRequest request, HttpServletResponse response)

throws ServletException, IOException

// Set response content type

response.setContentType("text/html");

// Actual logic goes here.

PrintWriter out = response.getWriter();

out.println("<h1>" + message + "</h1>");

}

public void destroy() {

// do nothing.

}

}

**Servlet Deployment**

<servlet>

<servlet-name>HelloWorld</servlet-name>

<servlet-class>HelloWorld</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>HelloWorld</servlet-name>

<url-pattern>/HelloWorld</url-pattern>

</servlet-mapping>

OUT PUT:

**Graphical user interface, text, application, email

Description automatically generated**

**Write a jsp code to print "Hello World"**

<%@ page language="java" contentType="text/html; charset=ISO-8859-1"pageEncoding="ISO-8859-1"%>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">

<html>

<head>

<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">

<title>Hello Word</title>

</head>

<body>

<font size="20" color="red"><%="HelloWorld" %></font>

</body>

</html>

OUTPUT:

Graphical user interface, text, application

Description automatically generated