SDM College of Engineering and Technology
Department of Computer Science & Engineering

CTA Activity REPORT
On

Web Technology - 18UCSO707

Activity. No	Title	Max. Marks	Marks Scored	Out of 10 M
1	Design and Development of web application to produce placement reports	10		
2		10		
4		10		
5	(It is an optional activity, it is applicable only to those who attempt this activity, Others can remove this)	10		
	Total Marks	50		

Note: The total scored mark will be scaled down to 10M.

Submitted
By

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VII Semester, B-Division   **Academic Year:2022-23**

Course Teacher
Prathap Kumar M.K.

Contents

←Fill this content page with your assignment titles and their page numbers properly. After filling this table, please remove this statement→

Activity – 1

(Designing of static web pages)

1. Problem statement

Design and Development of web application to produce placement reports

E.g.:

1. Development of static web pages for the identified problem statement.

Implementation:

1. Designing of Web page(s) using HTML/XHTML/HTML5.
2. Creation of XML file for the identified problem statement
3. Creation of DTD file for the identified problem statement
4. Creation of XSD file for the identified problem statement

Solution:

Index.html

HTML Source code

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Login Page</title>
</head>
<body>
  <form action="report.html" method="" target="_blank">
    <center>
      <img src="OIP.jpg" breadth="150" width="150">
      <h3>SDM COLLEGE OF ENGINEERING AND
TECHNOLOGY,DHARWAD-580002 </h3>
      <h4>DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING</h4>
    </center>
    <center>
      <fieldset >
        <legend>Login</legend>
        <table>
          <tr>
            <td>
              <label>User Name:</label>
            </td>
            <td>
              <input type="text" name="usrname" id="usrname"
placeholder="Enter the user name" >
            </td>
          </tr>
```

```html
            <tr>
              <td>
                <lable >Password:</lable>
              </td>
              <td>
                <input type="password" name="passw" id="passw"
placeholder="*****">
              </td>
            </tr>
            <tr>
              <td><input type="Submit" name="btnsubmit" value="Submit"
id="btnsubmit"></td>
              <td><input type="reset" name="btnclear" value="Clear"
id="btnclear"></td>
            </tr>
          </table>
        </fieldset>
      </center>
    </form>

</body>
</html>
```

XML Source code
```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE users SYSTEM "login.dtd">
<users>
  <user>
    <uid uid="admin">admin</uid>
  <password>admin</password>
  </user>
</users>
```

DTD Source code

```dtd
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT users (user*)>
<!ELEMENT user (uid,password)>
<!ELEMENT uid (#PCDATA)>
<!ELEMENT password (#PCDATA)>
<!ATTLIST uid uid CDATA #REQUIRED>
```

XSD Source code

```xml
<?xml version="1.0" encoding="utf-8"?>
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="users">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="user">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="uid">
                <xs:complexType>
                  <xs:simpleContent>
                    <xs:extension base="xs:string">
                      <xs:attribute name="uid" type="xs:string" use="required" />
                    </xs:extension>
                  </xs:simpleContent>
                </xs:complexType>
              </xs:element>
              <xs:element name="password" type="xs:string" />
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
</xs:schema>
```

addStudent.html

HTML Source code

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Add Student</title>
</head>
<body>
  <fieldset>
    <legend>Add Student</legend>
    <table>
      <tr>
        <td><label><b>USN:</b></label></td>
```

```html
        <td>
            <input type="text" name="stdusn" id="stdusn" placeholder="Ex:2SD19CS064">
        </td>
    </tr>
    <tr>
        <td>
            <label><b>Name:</b></label>
        </td>
        <td>
            <input type="text" name="stdname" id="stdname">
        </td>
    </tr>
    <tr>
        <td><label><b>Branch:</b></label></td>
        <td>
            <select name="branch">
                <option value="CSE">Computer Science and Engineering</option>
                <option value="EEE">Electrical and Electronics Engimeering</option>
                <option value="ECE">Electronic and Communication Engineering</option>
                <option value="MECH">Mechanical Engineering</option>
            </select>
        </td>
    </tr>
    <tr>
        <td><b><label>Semester:</label></b></td>
        <td><input type="text" name="sem" id="sem"></td>
    </tr>
    <tr>
        <td><b><label>Company:</label></b></td>
        <td><input type="text" name="cmp" id="cmp"></td>
    </tr>
    <tr>
        <td><b><label>Package:(lpa)</label></b></td>
        <td><input type="text" name="pkg" id="pkg"></td>
    </tr>
    </table>
  </fieldset>
</body>
</html>
```

XML source code

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE students SYSTEM "addstd.dtd">
<students>
   <student>
      <usn usn="1">1</usn>
      <name>xyz</name>
      <branch>cs</branch>
      <sem>7</sem>
      <comp>xyz</comp>
      <pack>10</pack>
   </student>
</students>
```

DTD source code

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT students (student*)>
<!ELEMENT student (usn,name,branch,sem,comp,pack)>
<!ELEMENT  usn (#PCDATA)>
<!ELEMENT name (#PCDATA)>
<!ELEMENT branch (#PCDATA)>
<!ELEMENT sem (#PCDATA)>
<!ELEMENT comp (#PCDATA)>
<!ELEMENT pack (#PCDATA)>
<!ATTLIST usn usn CDATA #REQUIRED>
```

XSD source code

```
<?xml version="1.0" encoding="utf-8"?>
<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:element name="students">
   <xs:complexType>
     <xs:sequence>
      <xs:element name="student">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="usn">
          <xs:complexType>
            <xs:simpleContent>
             <xs:extension base="xs:unsignedByte">
               <xs:attribute name="usn" type="xs:unsignedByte" use="required" />
             </xs:extension>
            </xs:simpleContent>
```

```
            </xs:complexType>
          </xs:element>
          <xs:element name="name" type="xs:string" />
          <xs:element name="branch" type="xs:string" />
          <xs:element name="sem" type="xs:unsignedByte" />
          <xs:element name="comp" type="xs:string" />
          <xs:element name="pack" type="xs:unsignedByte" />
        </xs:sequence>
      </xs:complexType>
    </xs:element>
   </xs:sequence>
  </xs:complexType>
 </xs:element>
</xs:schema>
```

Report.html
Html source code

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>Report page</title>
</head>
<body>
   <center>
      <h1><b>Placement Reports</b></h1>
   </center>
   <fieldset>
      <legend>Department</legend>
<!--      <label>Computer Science and Engineering</label>-->
      <ol>
         <li><a href="CSE.html" >Computer Science and Engineering</a></li>
         <li><a href="ECE.html">Electronics and Comunication Engineering</a> </li>
         <li><a href="ISE.html">Information Science and Engineering</a> </li>
         <li><a href="EEE.html">Electrical and Electronics Engineering</a> </li>
         <li><a href="MECH.html">Mechanical Engineering </a></li>
      </ol>
   </fieldset>
</body>
</html>
```

CSE.html

Html source code

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>CSE Dept Report</title>
</head>
<body>
   <center>
      <h1><b>Computer Science and Engineering</b></h1>
   </center>
   <fieldset>
      <legend>Overview</legend>
      <table>
         <tr>
            <td><b>Number of students:</b></td>
            <td><b>20</b></td>
         </tr>
         <tr>
            <td><b>Number of Eligible Students:</b></td>
            <td><b>20</b></td>
         </tr>
         <tr>
            <td><b>Number of Student Placed:</b></td>
            <td><b>17</b></td>
         </tr>
         <tr>
            <td><b>Number of students not placed:</b></td>
            <td><b>3</b></td>
         </tr>
         <tr>
            <td><b>Percentage of Placement:</b></td>
            <td><b>85%</b></td>
         </tr>
         <tr>
            <td><b>Number of Multiple Offers:</b></td>
            <td><b>10</b></td>
         </tr>
         <tr>
            <td><b>Number of Companies Visited:</b></td>
            <td><b>12</b></td>
         </tr>
```

```html
                </table>
            </fieldset>
            <fieldset>
                <legend>Placed Student Details</legend>
                <table border="1">
                    <tr>
                        <th><b>Sl.No</b></th>
                        <th><b>USN</b></th>
                        <th><b>Name</b></th>
                        <th><b>Branch</b></th>
                        <th><b>Sem</b></th>
                        <th><b>Company</b></th>
                        <th><b>Package(lpa)</b></th>
                    </tr>
                    <tr>
                        <td>1</td>
                        <td>2SD19CS064</td>
                        <td>Naveen M Madiwalar</td>
                        <td>CSE</td>
                        <td>7th</td>
                        <td>Tata Elxsi</td>
                        <td>3.5</td>
                    </tr>
                    <tr>
                        <td>2</td>
                        <td>2SD19CS064</td>
                        <td>Naveen M Madiwalar</td>
                        <td>CSE</td>
                        <td>7th</td>
                        <td>Cognizant</td>
                        <td>4.0</td>
                    </tr>
                    <tr>
                        <td>3</td>
                        <td>2SD19CS066</td>
                        <td>Ninad</td>
                        <td>CSE</td>
                        <td>7th</td>
                        <td>Cognizant</td>
                        <td>4.0</td>
                    </tr>
                    <tr>
                        <td >
                            <a href="Add%20Student.html"><button>Add Student</button></a>
```

```html
        </td>
      </tr>
    </table>


  </fieldset>
</body>
</html>


ECE.html
Html source code

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>ECE Dept Report</title>
</head>
<body>
<center>
  <h1><b>Electronics and Communication Engineering</b></h1>
</center>
<fieldset>
  <legend>Overview</legend>
  <table>
    <tr>
      <td><b>Number of students:</b></td>
      <td><b>20</b></td>
    </tr>
    <tr>
      <td><b>Number of Eligible Students:</b></td>
      <td><b>20</b></td>
    </tr>
    <tr>
      <td><b>Number of Student Placed:</b></td>
      <td><b>17</b></td>
    </tr>
    <tr>
      <td><b>Number of students not placed:</b></td>
      <td><b>3</b></td>
    </tr>
    <tr>
      <td><b>Percentage of Placement:</b></td>
      <td><b>85%</b></td>
    </tr>
```

```html
      <tr>
        <td><b>Number of Multiple Offers:</b></td>
        <td><b>10</b></td>
      </tr>
      <tr>
        <td><b>Number of Companies Visited:</b></td>
        <td><b>12</b></td>
      </tr>
    </table>
</fieldset>
<fieldset>
    <legend>Placed Student Details</legend>
    <table border="1">
      <tr>
          <th><b>Sl.No</b></th>
          <th><b>USN</b></th>
          <th><b>Name</b></th>
          <th><b>Branch</b></th>
          <th><b>Sem</b></th>
          <th><b>Company</b></th>
          <th><b>Package(lpa)</b></th>
      </tr>
      <tr>
        <td>1</td>
        <td>2SD19EC013</td>
        <td>Akshay G</td>
        <td>ECE</td>
        <td>7th</td>
        <td>Quest Global</td>
        <td>3.2</td>
      </tr>
      <tr>
        <td>2</td>
        <td>2SD19EC064</td>
        <td>Shashi</td>
        <td>ECE</td>
        <td>7th</td>
        <td>Cognizant</td>
        <td>4.0</td>
      </tr>
    </table>
</fieldset>
</body>
</html>
```

ISE.html
Html source code

```html
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <title>ISE Dept Report</title>
</head>
<body>
<center>
   <h1><b>Information Science and Engineering</b></h1>
</center>
<fieldset>
   <legend>Overview</legend>
   <table>
      <tr>
         <td><b>Number of students:</b></td>
         <td><b>20</b></td>
      </tr>
      <tr>
         <td><b>Number of Eligible Students:</b></td>
         <td><b>20</b></td>
      </tr>
      <tr>
         <td><b>Number of Student Placed:</b></td>
         <td><b>17</b></td>
      </tr>
      <tr>
         <td><b>Number of students not placed:</b></td>
         <td><b>3</b></td>
      </tr>
      <tr>
         <td><b>Percentage of Placement:</b></td>
         <td><b>85%</b></td>
      </tr>
      <tr>
         <td><b>Number of Multiple Offers:</b></td>
         <td><b>10</b></td>
      </tr>
      <tr>
         <td><b>Number of Companies Visited:</b></td>
         <td><b>12</b></td>
```

```html
        </tr>
      </table>
  </fieldset>
  <fieldset>
    <legend>Placed Student Details</legend>
    <table border="1">
      <tr>
        <th><b>Sl.No</b></th>
        <th><b>USN</b></th>
        <th><b>Name</b></th>
        <th><b>Branch</b></th>
        <th><b>Sem</b></th>
        <th><b>Company</b></th>
        <th><b>Package(lpa)</b></th>
      </tr>
      <tr>
        <td>1</td>
        <td>2SD19IS064</td>
        <td>XYZ</td>
        <td>CSE</td>
        <td>7th</td>
        <td>Tata Elxsi</td>
        <td>3.5</td>
      </tr>

      <tr>
        <td >
          <a href="Add%20Student.html"><button>Add Student</button></a>
        </td>
      </tr>
    </table>

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

EEE.html
Html source code

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>ISE Dept Report</title>
```

```html
</head>
<body>
<center>
  <h1><b>Information Science and Engineering</b></h1>
</center>
<fieldset>
  <legend>Overview</legend>
  <table>
    <tr>
      <td><b>Number of students:</b></td>
      <td><b>20</b></td>
    </tr>
    <tr>
      <td><b>Number of Eligible Students:</b></td>
      <td><b>20</b></td>
    </tr>
    <tr>
      <td><b>Number of Student Placed:</b></td>
      <td><b>17</b></td>
    </tr>
    <tr>
      <td><b>Number of students not placed:</b></td>
      <td><b>3</b></td>
    </tr>
    <tr>
      <td><b>Percentage of Placement:</b></td>
      <td><b>85%</b></td>
    </tr>
    <tr>
      <td><b>Number of Multiple Offers:</b></td>
      <td><b>10</b></td>
    </tr>
    <tr>
      <td><b>Number of Companies Visited:</b></td>
      <td><b>12</b></td>
    </tr>
  </table>
</fieldset>
<fieldset>
  <legend>Placed Student Details</legend>
  <table border="1">
    <tr>
      <th><b>Sl.No</b></th>
      <th><b>USN</b></th>
```
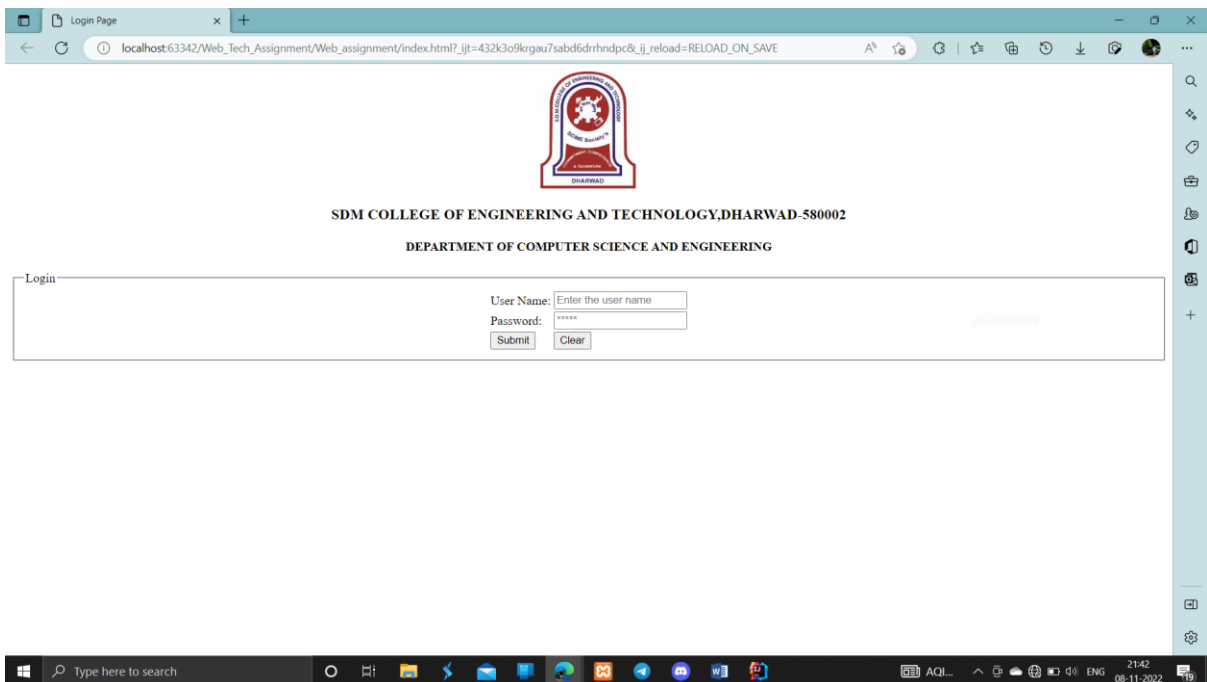
```html
            <th><b>Name</b></th>
            <th><b>Branch</b></th>
            <th><b>Sem</b></th>
            <th><b>Company</b></th>
            <th><b>Package(lpa)</b></th>
        </tr>
        <tr>
            <td>1</td>
            <td>2SD19IS064</td>
            <td>XYZ</td>
            <td>CSE</td>
            <td>7th</td>
            <td>Tata Elxsi</td>
            <td>3.5</td>
        </tr>

        <tr>
            <td >
                <a href="Add%20Student.html"><button>Add Student</button></a>
            </td>
        </tr>
    </table>

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

MECH.html
Html source code

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>MECH Dept Report</title>
</head>
<body>
<center>
    <h1><b>Mechanical Engineering</b></h1>
</center>
<fieldset>
    <legend>Overview</legend>
    <table>
        <tr>
```

```html
        <td><b>Number of students:</b></td>
        <td><b>20</b></td>
      </tr>
      <tr>
        <td><b>Number of Eligible Students:</b></td>
        <td><b>20</b></td>
      </tr>
      <tr>
        <td><b>Number of Student Placed:</b></td>
        <td><b>17</b></td>
      </tr>
      <tr>
        <td><b>Number of students not placed:</b></td>
        <td><b>3</b></td>
      </tr>
      <tr>
        <td><b>Percentage of Placement:</b></td>
        <td><b>85%</b></td>
      </tr>
      <tr>
        <td><b>Number of Multiple Offers:</b></td>
        <td><b>10</b></td>
      </tr>
      <tr>
        <td><b>Number of Companies Visited:</b></td>
        <td><b>12</b></td>
      </tr>
    </table>
</fieldset>
<fieldset>
    <legend>Placed Student Details</legend>
    <table border="1">
      <tr>
        <th><b>Sl.No</b></th>
        <th><b>USN</b></th>
        <th><b>Name</b></th>
        <th><b>Branch</b></th>
        <th><b>Sem</b></th>
        <th><b>Company</b></th>
        <th><b>Package(lpa)</b></th>
      </tr>
      <tr>
        <td>1</td>
        <td>2SD19ME040</td>
```

```
            <td>Mahadev</td>
            <td>MECH</td>
            <td>7th</td>
            <td>Quest Global</td>
            <td>3.2</td>
        </tr>
        <tr>
            <td>2</td>
            <td>2SD19ME080</td>
            <td>Vasanth</td>
            <td>MECH</td>
            <td>7th</td>
            <td>Cognizant</td>
            <td>4.0</td>
        </tr>
    </table>
</fieldset>
</body>
</html>
```

Results:

Login:

Report:

CSE:

ECE:

Electronics and Communication Engineering

Overview

Number of students:	20
Number of Eligible Students:	20
Number of Student Placed:	17
Number of students not placed:	3
Percentage of Placement:	85%
Number of Multiple Offers:	10
Number of Companies Visited:	12

Placed Student Details

Sl.No	USN	Name	Branch	Sem	Company	Package(lpa)
1	2SD19EC013	Akshay G	ECE	7th	Quest Global	3.2
2	2SD19EC064	Shashi	ECE	7th	Cognizant	4.0

Add Student

ISE:

Information Science and Engineering

Overview

Number of students:	20
Number of Eligible Students:	20
Number of Student Placed:	17
Number of students not placed:	3
Percentage of Placement:	85%
Number of Multiple Offers:	10
Number of Companies Visited:	12

Placed Student Details

Sl.No	USN	Name	Branch	Sem	Company	Package(lpa)
1	2SD19IS064	XYZ	CSE	7th	Tata Elxsi	3.5

Add Student

EEE:

MECH:

Add Student:

Activity-2

(Implementation of CSS & JavaScript)

1. **Problem statement**
    ← **Enter Assignment-2 complete problem statement/requirement definition.**
    Once you edit this page, please remove this statement.→
    E.g.:
    Integration of CSS and JavaScript to activity-1

Solution:
    <<Web page source code including HTML, CSS & JavaScript>>

Results:
<<Results screenshots>>:

Activity-III

1. Problem statement

← Enter Assignment-3 complete problem statement/requirement definition. Once you edit this page, please remove this statement.→

Solution:

Result Screenshots: