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A Web Application Mini Project Report on

“ERP SYSTEM”

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In

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CERTIFICATE

This is to certify that the Web Application Project work entitled “ERP System” has been carried out by **Divya T (1CR15CS058)**, **Dhanush Kumar S (1CR15CS055)** and **Deshratna Devendra (1CR15CS054)** bonafide students of CMR Institute of Technology in partial fulfillment for the award of **Bachelor of Engineering in Computer Science and Engineering** of the Visvesvaraya Technological University, Belgaum during the year **2018-2019**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. This Web Project Report has been approved as it satisfies the academic requirements in respect of project work prescribed for the said degree.

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ABSTRACT

This project is aimed at developing a web based ERP system, which is of great importance to both schools and colleges. This system can be used to automate the maintenance of the database of students and faculty of an entire university there by reducing the stress of manually managing the details with paperwork. The web application can be accessed by both, the students, and the faculty members.

The faculty can login using their login credentials. They can update the student attendance and their IAT marks, add new students, view the faculty details, change their password, and logout. The Students can also login using their respective login credentials and view their attendance percentage along with the number classes conducted and the number of classes that student attended. They can also view their timetable, their subjects with the corresponding teacher's name, teacher's website link, and subject syllabus. They can also view their IAT scores, Assignment marks, student details. They can change their password and logout as well.

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-Dhanush Kumar S

- Divya T

-Deshratna Devendra

Chapter 1

INTRODUCTION

1.1 WEB PROGRAMMING LANGUAGE

HTML is the standard markup language for creating Web pages.

- HTML stands for Hyper Text Markup Language
- HTML describes the structure of Web pages using markup
- HTML elements are the building blocks of HTML pages
- HTML elements are represented by tags
- HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
- Browsers do not display the HTML tags, but use them to render the content of the page

The `<!DOCTYPE html>` declaration defines this document to be HTML5

- The `<html>` element is the root element of an HTML page
- The `<head>` element contains meta information about the document
- The `<title>` element specifies a title for the document
- The `<body>` element contains the visible page content
- The `<h1>` element defines a large heading
- The `<p>` element defines a paragraph.

A Quick Website Breakdown

- **Site Markup:** HTML, CSS, and XML organize, style, and house the content of your site. Scripts and CSS files are embedded into the HTML file, and interact with the HTML elements to create an interactive site.
- **Client-side scripting:** This code runs in a web browser and determines what your customers or clients will see when they land on your website. It gives a site functionality—anything from drop-down menus to animation.
- **Server-side scripting:** This code executes on a web server and powers the behind-the-scenes mechanics of how a website works. It's builds a site's architecture and serves as a go-between with the database.

1.2 CASCADING STYLE SHEET

CSS is used to define styles for your web pages, including the design, layout and variations in display for different devices and screen sizes.

- CSS describes how HTML elements are to be displayed on screen, paper, or in other media
- CSS saves a lot of work. It can control the layout of multiple web pages all at once
- External stylesheets are stored in CSS files.

CSS SYNTAX

A CSS rule-set consists of a selector and a declaration block:

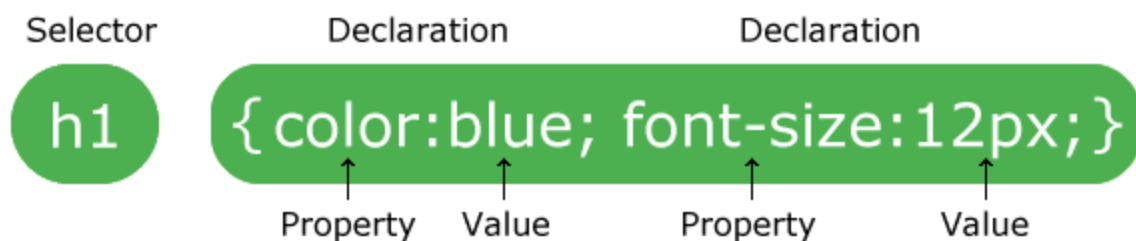


Figure 1.2.1: Selector-Declaration Block

- The selector points to the HTML element you want to style.
- The declaration block contains one or more declarations separated by semicolons.
- Each declaration includes a CSS property name and a value, separated by a colon.
- A CSS declaration always ends with a semicolon, and declaration blocks are surrounded by curly braces.

1.3 JAVASCRIPT

JavaScript is one of the **3 languages** all web developers **must** learn:

1. **HTML** to define the content of web pages
2. **CSS** to specify the layout of web pages
3. **JavaScript** to program the behavior of web pages

JavaScript is a lightweight, interpreted programming language. It is designed for creating network-centric applications. It is complimentary to and integrated with Java. JavaScript is very easy to implement because it

is integrated with HTML. It is open and cross-platform. In HTML, JavaScript code must be inserted between `<script>` and `</script>` tags.

Alongside HTML and CSS, JavaScript is one of the three core technologies of the World Wide Web.^[8] JavaScript enables interactive web pages and thus is an essential part of web applications. The vast majority of websites use it,^[9] and all major web browsers have a dedicated JavaScript engine to execute it.

Example

```
<script>
```

```
document.getElementById("demo").innerHTML = "My First JavaScript";
```

```
</script>
```

1.4 PHP

- PHP is an acronym for "**PHP: Hypertext Preprocessor**"
- PHP is a widely-used, open source scripting language
- PHP scripts are executed on the server

What Can PHP Do?

- PHP can generate dynamic page content
- PHP can create, open, read, write, delete, and close files on the server
- PHP can collect form data
- PHP can send and receive cookies
- PHP can add, delete, modify data in your database
- PHP can be used to control user-access
- PHP can encrypt data

1.5 Description Of Basic Tags:

- `<!DOCTYPE>` - Defines the document type.
- `<head>` - Defines the information about the project.
- `<title>` - Defines a title for the document.
- `<body>` - Defines the document body.
- `<h1>` to `<h6>` - Defines HTML headings.
- `<p>` - Defines the paragraph.
- `
` - Insert a single line break.

- `<hr>` - Defines the thematic change in the content.
- `text` – Defines the normal text input.
- `submit` – Defines the submit button.
- `<form>` - Defines a form that is used to collect user input.
- `` - emphasized text
- `` - important text.

Chapter 2

MINIMAL REQUIREMENT SPECIFICATIONS

2.1 Functional Requirements

- Maintain a website of watches its availability and prices
- Categorize the products based on their model
- Keep record of the customer details and provide services

2.2 Software Requirements

- **Languages used:** HTML, CSS, JavaScript, SQL, PHP
- **Web Server:** XAMPP (apache server and MySQL DB)
- **Web Browser:** Google Chrome/Mozilla Firefox
- **Operating System:** Windows, Linux

2.3 Hardware Requirements

- **Processor:** Intel Core i5 with minimum 1GHZ
- **RAM:** Minimum of 1GB
- **Hard Disk:** At least 512MB of free space

Chapter 3

DESIGN

3.1 ER-DIAGRAM

An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database. An entity in this context is a component of data. In other words, ER diagrams illustrate the logical structure of databases. An ER diagram is a means of visualizing how the information a system produces is related. There are four main components of an ERD:

1. **Entities**, which are represented by rectangles. An entity is an object or concept about which you want to store information.
2. **Actions**, which are represented by diamond shapes, show how two entities share information in the database.
3. **Attributes**, which are represented by ovals. A key attribute is the unique, distinguishing characteristic of the entity.
4. **Connecting lines**, solid lines that connect attributes to show the relationships of entities in the diagram.

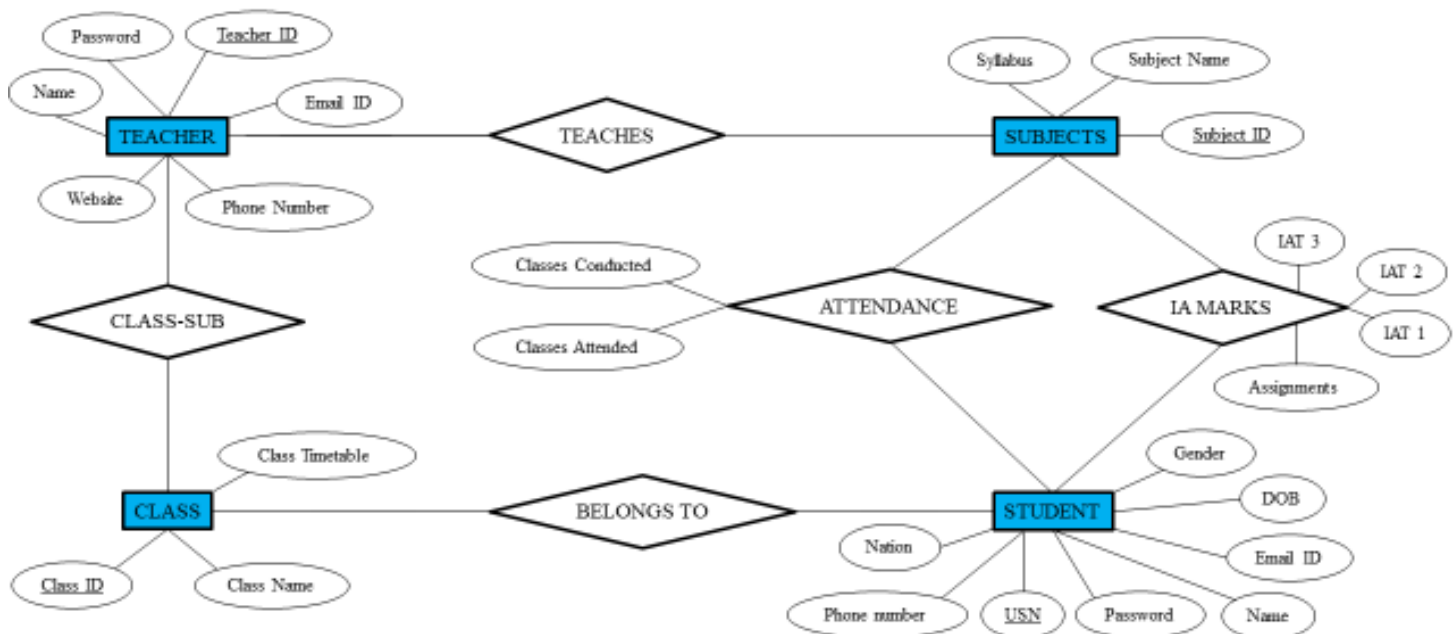


Figure 3.1: ER Diagram

Chapter 4

IMPLEMENTATION

4.1. Javascript Code

4.1.1. Dashboard.js

```
function myFunction() {  
    var x = document.getElementById("logoutDropdown");  
    if (x.style.display == "block") {  
        x.style.display = "none";  
    } else {  
        x.style.display = "block";  
    }  
}  
  
function Navigation(id){  
    if (id=='AttendanceSlot') {  
        document.getElementById('Attendance').style.background = 'white';  
        document.getElementById('Timetable').style.background = 'transparent'  
        document.getElementById('Subject').style.background = 'transparent';  
        document.getElementById('IA Details').style.background = 'transparent';  
        document.getElementById('User Details').style.background = 'transparent';  
        document.getElementById('AttendanceSlot').style.display = 'block';  
        document.getElementById('TimetableSlot').style.display = 'none';  
        document.getElementById('SubjectSlot').style.display = 'none';  
        document.getElementById('IASlot').style.display = 'none';  
        document.getElementById('UserSlot').style.display = 'none';  
    }  
    else if(id=='TimetableSlot'){  
        document.getElementById('Attendance').style.background = 'transparent';  
        document.getElementById('Timetable').style.background = 'white';  
        document.getElementById('Subject').style.background = 'transparent';  
        document.getElementById('IA Details').style.background = 'transparent';  
        document.getElementById('User Details').style.background = 'transparent';
```

```
document.getElementById('AttendanceSlot').style.display = 'none';
document.getElementById('TimetableSlot').style.display = 'block';
document.getElementById('SubjectSlot').style.display = 'none';
document.getElementById('IASlot').style.display = 'none';
document.getElementById('UserSlot').style.display = 'none';
}
else if(id=='SubjectSlot'){
    document.getElementById('Attendance').style.background = 'transparent';
    document.getElementById('Timetable').style.background = 'transparent';
    document.getElementById('Subject').style.background = 'white';
    document.getElementById('IA Details').style.background = 'transparent';
    document.getElementById('User Details').style.background = 'transparent';
    document.getElementById('AttendanceSlot').style.display = 'none';
    document.getElementById('TimetableSlot').style.display = 'none';
    document.getElementById('SubjectSlot').style.display = 'block';
    document.getElementById('IASlot').style.display = 'none';
    document.getElementById('UserSlot').style.display = 'none';
}
```

4.1.2. Dashboard1.js

```
window.onload = init;
var canvas,ctx;
var h,w;
var data,data1,data2,data3;
function init()
{
    timetable();
    addIaDetails();
    subjects();
    drawgraph();
    studentdetails();

    var logout = document.querySelector("#logout1");
    logout.addEventListener("click", function()
    {
```

```
window.location="loginform.php";

});

var pass = document.querySelector("#changePW");
pass.addEventListener("click", function()
{
    window.location="cp.php";
});
}

function timetable()
{
    var request = new XMLHttpRequest();
    request.open("GET", "timetable.php", true)
    request.send();
    request.onreadystatechange = function()
    {
        if (request.readyState == 4 && request.status == 200)
        {
            data5 = JSON.parse(request.response);
            var div = document.querySelector(".classtable");
            var oImg = document.createElement("img");
            oImg.setAttribute('src', data5[0].timeTable);
            oImg.setAttribute('alt', 'na');
            oImg.setAttribute('height', '100%');
            oImg.setAttribute('width', '100%');
            div.appendChild(oImg);
        }
    };
}

function subjects()
{
    var request = new XMLHttpRequest();
    request.open("GET", "subjects.php", true)
    request.send();
    request.onreadystatechange = function()
    {
```

```
if (request.readyState == 4 && request.status == 200)
{
    data4 = JSON.parse(request.response);
    var tr1 = document.querySelector("#tr1");
    var tr2 = document.querySelector("#tr2");
    var tr3 = document.querySelector("#tr3");
    var tr4 = document.querySelector("#tr4");
    var tr5 = document.querySelector("#tr5");
    var tr6 = document.querySelector("#tr6");
    var tr7 = document.querySelector("#tr7");
    var tr8 = document.querySelector("#tr8");
    var p1= document.querySelector("#teachername");
    var p2= document.querySelector("#syllabus");
    var p3= document.querySelector("#website");
    tr1.innerHTML = "<td>"+data4[0].subName+"</td>";
    tr2.innerHTML = "<td>"+data4[1].subName+"</td>";
    tr3.innerHTML = "<td>"+data4[2].subName+"</td>";
    tr4.innerHTML = "<td>"+data4[3].subName+"</td>";
    tr5.innerHTML = "<td>"+data4[4].subName+"</td>";
    tr6.innerHTML = "<td>"+data4[5].subName+"</td>";
    tr7.innerHTML = "<td>"+data4[6].subName+"</td>";
    tr8.innerHTML = "<td>"+data4[7].subName+"</td>";
    p1.innerHTML = data4[0].name;
    p2.innerHTML = data4[0].syllabus;
    p3.innerHTML = data4[0].website;
    p3.setAttribute('href',data4[0].website);

    tr1.addEventListener('click', function(e){
        p1.innerHTML = data4[0].name;
        p2.innerHTML = data4[0].syllabus;
        p3.innerHTML = data4[0].website;
        p3.setAttribute('href',data4[0].website);
    });
}
```

```
function addIaDetails()
```



```
{
  var request = new XMLHttpRequest();
  request.open("GET", "iadetails.php", true)
  request.send();
  request.onreadystatechange = function()
  {
    if (request.readyState == 4 && request.status == 200)
    {
      data3 = JSON.parse(request.response);
      var iadet = document.querySelector("#iadetails tbody");
      for(var i=0;i<data3.length;i++)
      {
        var marksarray = [data3[i].iat1,data3[i].iat2,data3[i].iat3];
        marksarray.sort();

        var avg = (((marksarray[1]*1)+(marksarray[2]*1))*0.15) +(data3[i].assignment*1);
        avg = Math.round(avg);

        var tr = iadet.insertRow();
        tr.innerHTML = "<td>" +data3[i].subName+ "</td><td>" +data3[i].iat1+ "</td><td>" +data3[i].iat2+
"</td><td>" +data3[i].iat3+ "</td><td>" +data3[i].assignment+"</td><td>" +avg+"</td>";
      }

    }
  };
}

function studentdetails()
{
  var request = new XMLHttpRequest();
  request.open("GET", "userdetails.php", true)
  request.send();
  request.onreadystatechange = function()
  {
    if (request.readyState == 4 && request.status == 200)
    {
```

```
data2 = JSON.parse(request.response);
var usn =document.querySelector("#usn");
var name =document.querySelector("#name");
var mobnum =document.querySelector("#mobnum");
var email =document.querySelector("#email");
var dob =document.querySelector("#dob");
var bg =document.querySelector("#bg");
var gender =document.querySelector("#gender");
var nation =document.querySelector("#nation");
var dropdownname = document.querySelector('#dropdownname');
dropdownname.innerHTML = data2[0].name;
usn.innerHTML += " " + data2[0].usn;
name.innerHTML += " " + data2[0].name;
mobnum.innerHTML += " " + data2[0].phno;
email.innerHTML += " " + data2[0].email;
}
};
}
function drawgraph()
{
var request = new XMLHttpRequest();
request.open("GET", "att.php", true)
request.send();
request.onreadystatechange = function()
{
if (request.readyState == 4 && request.status == 200)
{
data1 = JSON.parse(request.response);
var table =document.querySelector("#tableatt");
canvas = document.querySelector("#graph1");
ctx =canvas.getContext('2d');
ctx.fillStyle = 'steelblue';
w = canvas.width;
h = canvas.height;
ctx.fillRect(0,4 ,(w/100)*data1[0].TC*1.5,5);
```

```
ctx.fillStyle= "deepskyblue";  
ctx.fillRect(0,9,( w/100)*data1[0].CA*1.5,5);  
};  
}
```

4.1.3 Teacher's dashboard.js

```
window.onload=init;  
var data1,data2,data3,data4,data5,data6;  
function init()  
{  
var pass = document.querySelector("#cp1");  
pass.addEventListener("click", function()  
{  
    window.location="cp.php";  
});  
var logout = document.querySelector("#logout1");  
logout1.addEventListener('click',function(){  
    window.location="loginform.php";  
});  
classList();  
userDetails();  
var addStu = document.querySelector('#sub');  
addStu.addEventListener('click', function(){  
    var th1 = document.querySelector('#th1').value;  
    var th2 = document.querySelector('#th2').value;  
    var th3 = document.querySelector('#th3').value;  
    var th4 = document.querySelector('#th4').value;  
    var th5 = document.querySelector('#th5').value;  
    var th6 = document.querySelector('#th6').value;  
    var th7 = document.querySelector('#th7').value;  
    var th8 = document.querySelector('#th8').value;  
    var th10 = document.querySelector('#th9').value;  
    var th9 = document.querySelector('#selectCllass').value;  
    $.post('subjects1.php', {classname: th9},function(result){  
        data6 = JSON.parse(result);
```

```
$.post('addStudent.php',{ sub1:data6[0].subID,sub2:data6[1].subID,sub3:data6[2].subID,sub4:data6[3].subID,
    sub5:data6[4].subID,sub6:data6[5].subID,sub7:data6[6].subID,sub8:data6[7].subID,usn: th2, DOB :
th3,
name: th1, bg:th4, email:th6, gen:th7,pass:th8,nat:th5,phno: th10, classname: th9},function(result)
{
    alert("student added to class " +th9);
});
});
});
var submitAtt=document.querySelector('#submitAtt');
submitAtt.addEventListener('click', function()
{
    var va=document.querySelectorAll('#tbody input');
    var va1=document.querySelectorAll('#tbody tr td');
    var va2=document.querySelector('#subName');
    var subID = va2.innerHTML;
    var obj1=[]
    var index1=0;
    va.forEach(function(current){
        obj1[index1]=current.value;
        index1++;
    });
    var obj=[]
    var index=0;
    va1.forEach(function(current){
        if(current.innerHTML.charAt(0)!='<')
        {
            obj[index]=current.innerHTML;
            index++;
        }
    });
    for(var i=0;i<obj.length;i+=2)
    {
$.post('updateAtt.php', { subID: subID, name: obj[i+1], TC: obj1[i],CA: obj1[i+1]});
```

```
        if(i==obj.length-2)
        {
            alert("update sucessful");
        }
    }
});
var submitMarks =document.querySelector('#submitMarks');
submitMarks.addEventListener('click', function()
{
    var va=document.querySelectorAll('#marksTable input');
    var va1=document.querySelectorAll('#marksTable tr td');
    var va2=document.querySelector('#subNAme');
    var subID = va2.innerHTML;
    var obj1=[]
    var index1 =0;
    va.forEach(function(current){
        obj1[index1]=current.value;
        index1++;
    });
    var obj = []
    var index=0;
    va1.forEach(function(current){
        if(current.innerHTML.charAt(0)!='<')
        {
            obj[index]=current.innerHTML;
            index++;
        }
    });
    var i,j=0;
    for(i=0;i<obj.length;i +=2)
    {
        var k=obj.length;
        $.post('updateMarks.php', { subID: subID, name: obj[i+1], iat1: obj1[j],iat2: obj1[j+1], iat3:
        obj1[j+2],ass: obj1[j+3]});
        if(i==obj.length-2)
```

```
{
    alert("update sucessful");
}
j=j+4;
}
});
}
function classList()
{
    var request = new XMLHttpRequest();
    request.open("GET", "classlist.php", true)
    request.send();
    request.onreadystatechange = function()
    {
        if (request.readyState == 4 && request.status == 200)
        {
            data1 = JSON.parse(request.response);
            var left=0;
            if(data1.length>1)
            {
                for(var i=0;i<data1.length-1;i++)
                {
                    if(data1[i].class_name!=data1[i+1].class_name)
                    {
                        var classList=document.querySelector(".selectClass");
                        var div=document.createElement('p');
                        div.innerHTML=data1[i].class_name;
                        div.style.left= left+'%';
                        classList.appendChild(div);
                        div.addEventListener('click',function(e){
                            var left1=0;
                            var subList =document.querySelector(".selectSub1");
                            subList.innerHTML="";
                            var x=e.target.innerHTML;
                            for(var j=0;j<data1.length;j++){
```

```

        if(x==data1[j].class_name)
        {
            var p=document.createElement('p');
            p.innerHTML=data1[j].subName;
            p.style.left= left1+'%'
            subList.appendChild(p);
            p.addEventListener('click',function(ev){
                var classs=ev.target.innerHTML;
                subName.innerHTML = classs;
                $.post('studentList.php', { classname: classs},function(result){
                    data2 = JSON.parse(result);
                    var
tbody=document.querySelector('#tbody');
                    tbody.innerHTML = "";
                    for(var i=0;i<data2.length;i++)
                    {
                        var tr=tbody.insertRow();
                        tr.innerHTML = "<td>" + data2[i].name + "</td><td>" +data2[i].usn+ "</td>";
                        var TC = document.createElement('input');
                        TC.setAttribute("type", 'number');
                        TC.setAttribute("value", data2[i].TC);
                        var td3= document.createElement('td');
                        td3.appendChild(TC);
                        tr.appendChild(td3);
                        var CA = document.createElement('input');
                        CA.setAttribute("type", 'number');
                        CA.setAttribute("value", data2[i].CA
                        var td4= document.createElement('td');
                        td4.appendChild(CA);
                        tr.appendChild(td4);
                    }
                });
            });
            left1 +=12;
        }
    }
});

```

```
var classList12=document.querySelector(".selectClass1");
var div2=document.createElement('p');
div2.innerHTML=data1[i].class_name;
div2.style.left= left+'%';
classList12.appendChild(div2);
div2.addEventListener('click',function(e)
{
    var stuList =document.querySelector("#studentsList");
    stuList.innerHTML="";
    var x=e.target.innerHTML;
    $.post('studentsList.php', { classname: x },function(result)
    {
        data5 = JSON.parse(result);
        for(var i=0;i<data5.length;i++)
        {
            var tr = stuList.insertRow();
            tr.innerHTML = "<td>" +data5[i].name + "</td>";
        }
    });
});
var selectClass=document.querySelector('#selectCllass');
document.createElement('option');
option.text = data1[i].class_name;
selectClass.add(option);
left +=12;
}
}
var classList=document.querySelector(".selectClass");
var div=document.createElement('p');
div.innerHTML=data1[data1.length-1].class_name;
div.style.left= left+'%';
classList.appendChild(div);
div.addEventListener('click',function(e){
var left1=0;
var subList =document.querySelector(".selectSub1");
```

var option =


```
subList.innerHTML="";
for(var j=0;j<data1.length;j++)
{
    var x=e.target.innerHTML;
    if(x==data1[j].class_name)
    {
        var p=document.createElement('p');
        p.innerHTML=data1[j].subName;
        p.style.left= left1+'%';
        subList.appendChild(p);
        p.addEventListener('click',function(ev)
        {
            var classs=ev.target.innerHTML;
            var subName=document.querySelector("#subName");
            subName.innerHTML = classs;
            $.post('studentList.php', {classname: classs},function(result){
                data2 = JSON.parse(result);
                var tBody=document.querySelector('#tBody');
                tBody.innerHTML = "";
                for(var i=0;i<data2.length;i++)
                {
                    var tr=tBody.insertRow();
                    tr.innerHTML = "<td>" + data2[i].name + "</td><td>" +data2[i].usn+ "</td>";
                    var TC = document.createElement('input');
                    TC.setAttribute("type", 'number');
                    TC.setAttribute("value", data2[i].TC);
                    var td3= document.createElement('td');
                    td3.appendChild(TC);
                    tr.appendChild(td3);
                    var CA = document.createElement('input');
                    CA.setAttribute("type", 'number');
                    CA.setAttribute("value", data2[i].CA);
                    var td4= document.createElement('td');
                    td4.appendChild(CA);
                    tr.appendChild(td4);
```

```
        }
    });
});
left1 +=12;
}
}
});
var classList12=document.querySelector(".selectClass1");
var div2=document.createElement('p');
div2.innerHTML=data1[data1.length-1].class_name;
div2.style.left= left+'%';
classList12.appendChild(div2);
div2.addEventListener('click',function(e)
{
    var stuList =document.querySelector("#studentsList");
    stuList.innerHTML="";
    var x=e.target.innerHTML;
    $.post('studentsList.php', { classname: x },function(result)
    {
        data5 = JSON.parse(result);
        for(var i=0;i<data5.length;i++)
        {
            var tr = stuList.insertRow();
            tr.innerHTML = "<td>" +data5[i].name + "</td>";
        }
    });
});
var selectClass=document.querySelector('#selectCllass');
var option = document.createElement('option');
option.text = data1[data1.length-1].class_name;
selectClass.add(option);
left +=12;
}
}
}
```

```
function userDetails()
{
var request = new XMLHttpRequest();
request.open("GET", "tuserdetails.php", true)
request.send();
request.onreadystatechange = function()
{
    if (request.readyState == 4 && request.status == 200)
    {
        data4 = JSON.parse(request.response);
        var usn =document.querySelector("#usn");
        var name =document.querySelector("#name");
        var mobnum =document.querySelector("#mobnum");
        var email =document.querySelector("#email");
        var bg =document.querySelector("#bg");
        var dropdownname = document.querySelector('#dropdownname');
        dropdownname.innerHTML = data4[0].name;
        usn.innerHTML += " " + data4[0].teacherID;
        name.innerHTML += " " + data4[0].name;
        mobnum.innerHTML += " " + data4[0].phno;
        email.innerHTML += " " + data4[0].email;
        bg.innerHTML += " " + data4[0].website;
    }
};
}
```

4.2. PHP Code

4.2.1. LoginForm.php

```
<html>
<head>
<title> Attendance Management System</title>
    <link rel="stylesheet" type="text/css" href="web.css">
</head>
<body>
```

```
<div class="slider">
<div class="load">
</div>
<div class="loginbox">

<h1>Login Here</h1>
<form method="post" action="loginform.php" >
<p>Username</p>
<input type="text" name="usn" placeholder="Enter Username" value="" >
<p>Password</p>
<input type="password" name="pass" placeholder="Enter Password" value="" >
<input type="submit" name="submit" value="Login">
</form>
</div>
</body>
</html>
<?php
$servername = "localhost";
$username = "root";
$password = "";
$dbname = "webproject";
if(isset($_POST['usn']))
{
$password1 = $_POST["pass"];
$usn = $_POST["usn"];
$conn = new mysqli($servername, $username, $password, $dbname);
// Check connection
if ($conn->connect_error) {
    die("Connection failed: " . $conn->connect_error);
}
$sql = "SELECT pass from students where usn = '$usn' ";
$result = $conn->query($sql);
if ($result->num_rows > 0)
{
    //output data of each row
```

```
while($row = $result->fetch_assoc())
{
    if($row["pass"] == $password1)
    {
        session_start();

        $_SESSION['usn'] = $usn;

        //echo "<script type='text/javascript'>window.location='att.html';</script>";

echo "<script type='text/javascript'>window.location='dashboard.html';</script>";

    }
    else
    {
        echo "<script type='text/javascript'>alert('wrong user id or
password');window.location='loginform.php';</script>";

    }
}
else
{
    $sql1 = "SELECT pass from teachers where email = '$usn' ";
    $result1 = $conn->query($sql1);
    if ($result1->num_rows > 0)
    {
        while($row = $result1->fetch_assoc())
        {
            if($row["pass"] == $password1)
            {
                session_start();

                $_SESSION['usn'] = $usn; echo "<script
type='text/javascript'>window.location='TeacherDashboard.html';</script>";

            }
        }
    }
    else {
        echo "<script type='text/javascript'>alert('wrong user id or
password');window.location='loginform.php';</script>";

    }
}
```

```
    }  
}  
else  
{  
    echo "<script type='text/javascript'>alert('wrong user id or  
password');window.location='loginform.php';</script>";  
}  
  
}  
$conn->close();  
}  
?>
```

4.2.2. IA_Details.php

```
<?php  
$servername = "localhost";  
$username = "root";  
$password = "";  
$dbname = "webproject";  
session_start();  
if(!empty($_SESSION["usn"]))  
{  
    $usn = $_SESSION["usn"];  
}  
else  
{  
    print_r("not working");  
}  
$conn = new mysqli($servername, $username, $password, $dbname);  
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}  
$sql = " SELECT s.subName, i.* from IaMarks i inner join subjects s on s.subID=i.subID where i.usn='$usn'  
";  
$result = $conn->query($sql);
```

```
$data3 = array();  
while($row = $result->fetch_assoc())  
{  
    $data3[] = $row;  
}  
echo json_encode($data3);  
?>
```

4.3. HTML Code

4.3.1. Dashboard.html

```
<html>  
<head>  
    <title> Attendance Management System</title>  
    <link rel="stylesheet" type="text/css" href="dashboard.css">  
    <script type="text/JavaScript" src="dashboard.js"></script>  
    <script type="text/Javascript" src="dashboard1.js"></script>  
</head>  
<body>  
    <div class="header">  
          
        <h1 class="dashboard">Dashboard</h1>  
          
        <nav>  
            <ul class="navlist">  
                <li id="Attendance" style="background:white;"  
onclick="Navigation('AttendanceSlot')">Attendance</li>  
                <li id="Timetable" onclick="Navigation('TimetableSlot')">Timetable</li>  
                <li id="Subject" onclick="Navigation('SubjectSlot')">Subjects</li>  
                <li id="IA Details" onclick="Navigation('IASlot')">IA Details</li>  
                <li id="User Details" onclick="Navigation('UserSlot')">User Details</li>  
            </ul>  
        </nav>  
    </div>  
    <div id="logoutDropdown">
```

```

    
    <p class="user" id="dropdownname">Name</p>
    <input type="submit" name="" value="Change Password" id='changePW'>
    <input type="button" name="" value="Logout" id="logout1">
  </div>
  <div id="AttendanceSlot">
  <div class="graph">
  <div class="Heading">
    <p class="headingtext">Subject Attendance Graph</p>
  </div>
  <div>
    <canvas id="graph1"></canvas>
  </div>
</div>
<div class="table">
<div class="Attendancetable">
  <table class="Atable" id="tableatt">
    <caption>Subject Attendance Percentage</caption>
    <thead>
      <tr><th>Subject</th>
      <th>Classes Conducted</th>
      <th>Classes Attended</th>
      <th>Percentage(%)</th>
    </tr>
    </thead>
    <tbody id='tbb'></tbody>
  </table>
</div>
</div>
</div>
<div id="TimetableSlot">
<div class="Container">
  <div class="Heading">
    <h3 class="headingtext">Class Timetable</h3>
  </div>

```



```

    <div class="classtable">        </div>
</div>
</div>
<div id="SubjectSlot">
<div class="Subjectlist">
    <div class="Heading">
        <h3 class="headingtext">Subjects</h3>
    </div>
    <div class="tablecontainer">
    <table class="Subtable">
    <tbody>
        <tr id="tr1"><td><b></b></td></tr>
        <tr id="tr2"><td><b></b></td></tr>
        <tr id="tr3"><td><b></b></td></tr>
        <tr id="tr4"><td><b></b></td></tr>
        <tr id="tr5"><td><b></b></td></tr>
        <tr id="tr6"><td><b></b></td></tr>
        <tr id="tr7"><td><b></b></td></tr>
        <tr id="tr8"><td><b></b></td></tr>
    </tbody>
    </table>
</div>
</div>
<div class="SubjectSection">
    <h3 class="headingtext">Details</h3>
    <div class="SubContainer">
        <p><b>Teacher : </b></p>
        <p id="teachername"></p>
        <br>
        <p><b>website : </b></p>
        <a href="" id="website"></a>
        <br>
        <br>
        <p><b>Syllabus : </b></p>
        <p id="syllabus"></p>

```

</div>

</div>

</div>

<div id="IASlot">

<div class="Container">

<div class="Heading">

<h3 class="headingtext">Internal Assesment Performance</h3>

</div>

<div class="IAtable">

<table class="IATtable" id="iadetails">

<thead>

<tr><th>Subject name</th>

<th>IAT 1 Scores</th>

<th>IAT 2 Scores</th>

<th>IAT 3 Scores</th>

<th>Assignments</th>

<th>Average Scores</th>

</tr>

</thead>

<tbody></tbody>

</table>

</div>

</div>

</div>

<div id="UserSlot">

<div class="Container">

<div class="Heading">

<h3 class="headingtext">User Details</h3>

</div>

<div class="IAtable" id='userdetails'>

<h2 id="name">Name : </h2>

<div class="UserDetails">

<h4> Personal Details </h4>

<p id="usn">USN : </p> <p id="mobnum">Mobile No. : </p><p id="email">Email :

</p> <p id="dob">DOB : </p> <p id="bg">Blood Group : </p> <p id="gender">Gender : </p> <p

id="nation">Nationality : </p>

</div>

</div>

</div>

</div>

</body>

</html>

Chapter 5

DISCUSSION AND SCREENSHOT

5.1 Login

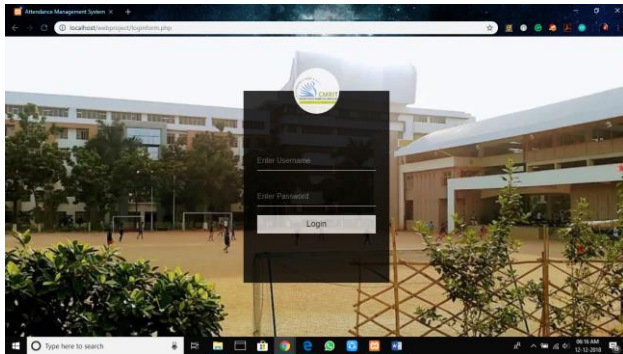


Figure 4.1: Login Page

5.2 Student Dashboard

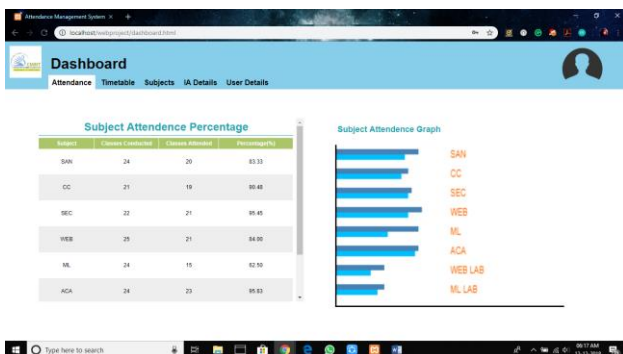
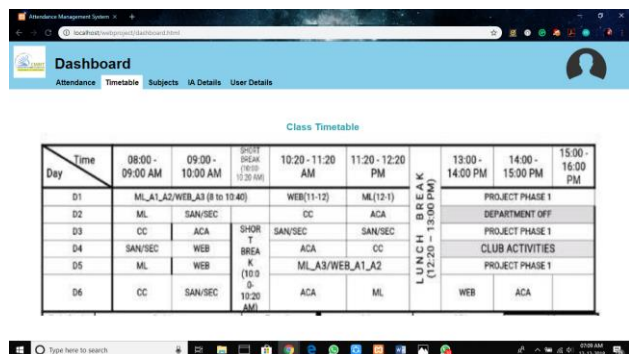


Figure 4.2: Student Attendance Page



Time	08:00 - 09:00 AM	09:00 - 10:00 AM	10:00 - 10:30 AM	10:30 - 11:20 AM	11:20 - 12:20 PM	12:20 - 13:00 PM	13:00 - 14:00 PM	14:00 - 15:00 PM	15:00 - 16:00 PM
D1	ML_A1/A2/WEB_A1 (8 to 10:40)	WEB(11-12)	ML(12-1)	PROJECT PHASE 1					
D2	ML	SAN/SEC	ACA	DEPARTMENT OFF					
D3	CC	ACA	SAN/SEC	PROJECT PHASE 1					
D4	SAN/SEC	WEB	ACA	CLUB ACTIVITIES					
D5	ML	WEB	ML_A3/WEB_A1_A2	PROJECT PHASE 1					
D6	CC	SAN/SEC	ACA	WEB	ACA				

Figure 4.3: Student Timetable Page

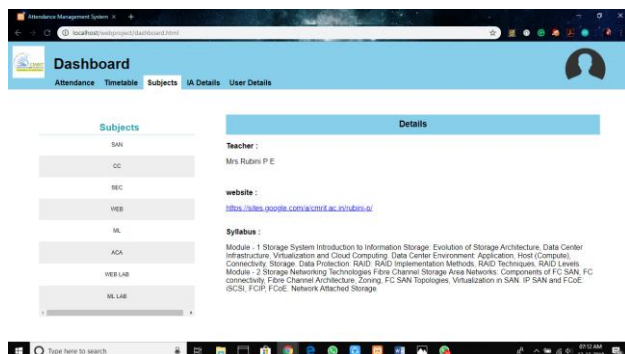
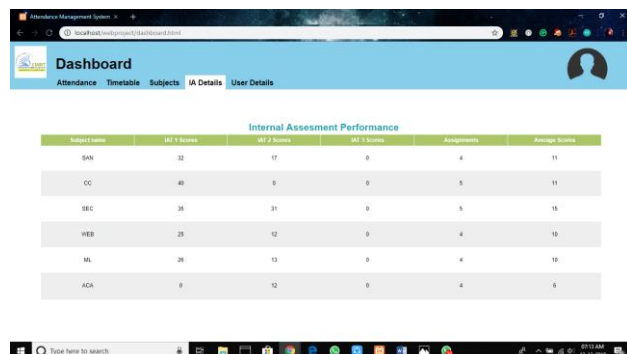


Figure 4.4: Student Subjects Page



Subject Name	ML 1 Score	ML 2 Score	ML 3 Score	Assignment	Average Score
SAN	32	17	0	4	11
CC	40	0	0	5	11
SEC	35	31	0	5	15
WEB	25	12	0	4	10
ML	26	13	0	4	10
ACA	0	12	0	4	6

Figure 4.5: Student IAT Marks Page

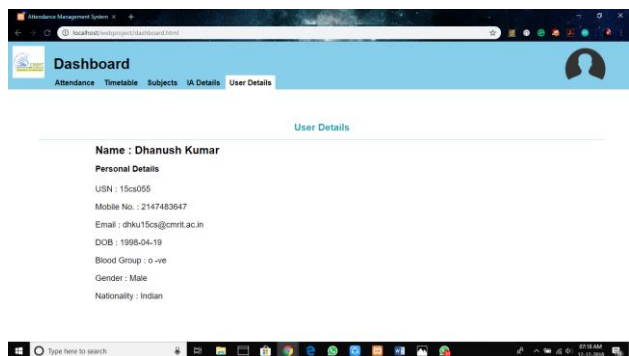


Figure 4.6: Student Details Page

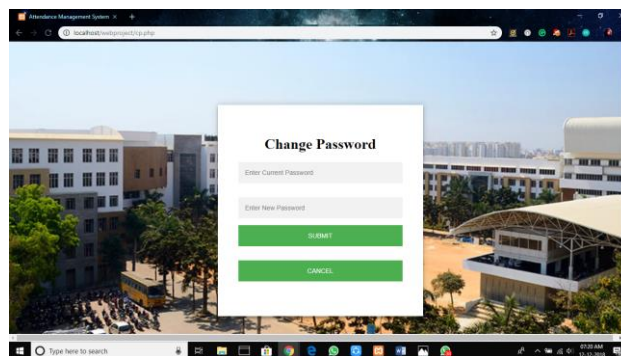


Figure 4.7: Change Password Page

5.3 Teacher Dashboard

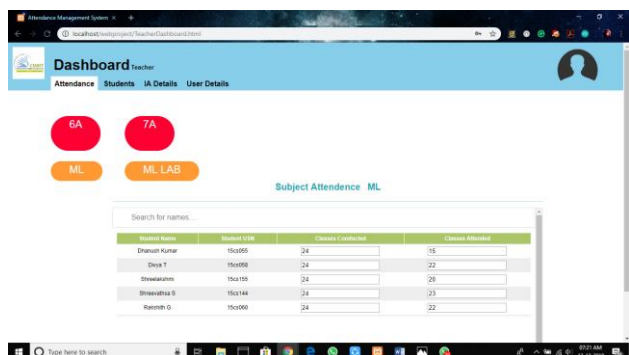


Figure 4.8: Teacher Attendance Page

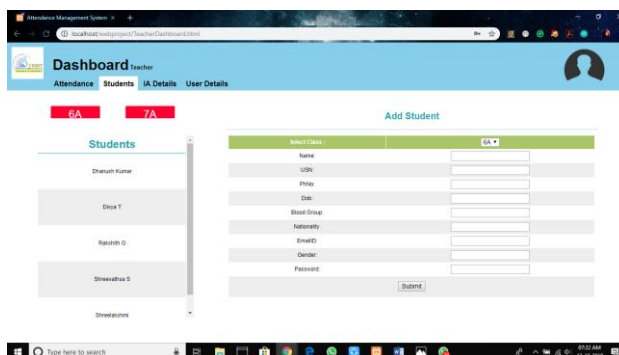


Figure 4.9: Add Student Page

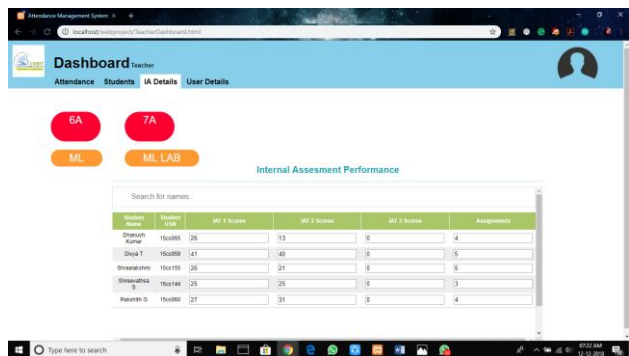


Figure 4.10: Teacher IAT Marks Page

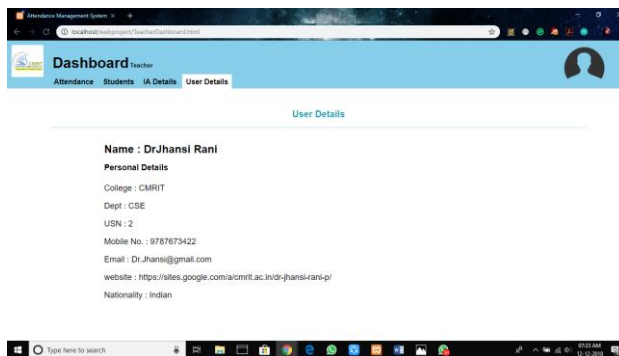


Figure 4.11: Teacher Details Page

Chapter 6

CONCLUSION AND FUTURE SCOPE

6.1. CONCLUSION

Based on the result, we can say that Database Management System Project helped us in a great way in learning basic web development skills. We were exposed to different learning methodologies which made possible for us to approach a particular concept in different number of ways.

6.2. FUTURE SCOPE

The digitization of the Education System is happening fast. A major result of this transformation from paper to electronic records is the proliferation of students data and with that of course, comes the student database(ERP System).

The ERP system is a big and ambitious project, with the help of this website teachers can update students marks and internal assessment details in the database. students can view their details anytime. This project helps in serving the colleges. I am thankful for being provided this great opportunity to work on it. There are still lot more developments which has to be made that are left to be handled.

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