# ATTENDANCE MANAGEMENT SYSTEM

*Project Report*

*(MCS - 102)*

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# Problem Statement

The aim of this project is to automize the attendance management system of an academic institution.

The software shall provide the facility to the faculty to mark,edit and view the attendance.The students should be able to view their attendance in subject wise or semester wise reports.The software should also provide login facility to both the faculty and the students of the college.

# Process Model

## Iterative Waterfall Model

The process model chosen for the development of this software is an Iterative Waterfall Model. The following characteristics of the project and the process have been considered for making the decision:

- The software engineers lack experience. Waterfall model's linear process flow is easy to understand and implement.
- Requirements of the project are clearly defined and specified.
- Technical skills are low and the technology is limited.
- There can be a need to repeatedly go through any phase of the software life cycle. Thus, an iterative model has been chosen.

# 1. Software Requirement Specification

## 1.1 Overall Description

### 1.1.1 User Characteristics

There are 3 types of users –

### 1) Student

Every student is provided with a login identity and password.The student has to verify his/her credentials and then he/she can view his/her attendance.He/She can view the attendance in 2 formats – summarized report of all the subjects for a particular semester or an individual month wise report of a particular subject.

### 2) Faculty

Each faculty member of the institution is assigned a login identity and password.The faculty has to enter his/her credentials and then select the details of the class.After that he/she can perform 3 tasks- mark the attendance of the students,view the attendance record of the students or edit a previously marked attendance.

### 3) Administrator

The administrator is responsible for the maintainance of the database of the software and its proper functioning.

### 1.1.2 General Constraints

- A continuous internet supply is needed while taking the attendance in the class.

- The administrator should have experience and knowledge of MySQL Server.He should also know how to operate a web server machine using Apache Tomcat.

### 1.1.3 Assumptions and Dependencies

- It is assumed that all the students ,the faculty memebers and the adminstrator have basic knowledge of operating a computer

## 1.2 External Interface Requirements

### 1.2.1 User Interfaces

The student and the faculty members will interact with the software using a graphical user interface operated by a mouse and a keyboard.The database administrator can use the command-line interface or a graphical user interface.

### 1.2.2 Hardware Requirements

There will be 2 types of computer hardware specifications required to run the software –

❖ Server Machine : This will be operated by the administrator

➢ Processor: Intel Core i3 or an equivalent or a higher processor

➢ Memory: 4 Giga Bytes of RAM

➢ Storage: The amount of hard disk space required depends on the size of the database of the institute.At least 1 TB of storage is recommended.

➢ A continuous power supply (24 hours a day).

➢ A continuous internet connection (24 hours a day).The bandwidth and data rate of the internet plan will vary from one institution to another.

➢ The machine used should be able to operate continuously and should be fault resistant.

❖ Client Machine : This will be used by the faculty members or the user

➢ Processor: Intel Core2 Duo E7500 or an equivalent or a higher processor

➢ Memory: 1 GB of RAM

➢ Storage: 1 GB of memory

➢ A continuous internet connection is needed to view ,edit or take the attendance.

### 1.2.3 Software Requirements

There will be 2 types of software requirements required to run the software –

❖ Server Machine: This will be operated by the administrator

➢ Apache Tomcat Server (Version No. : 7 or higher)

- ➢ MySQL Server ( Version No.: 5 or higher )
- ➢ A command line or graphical user interface for MySQL.
- ➢ A web browser: Java Script enabled.
- ➢ Operating System : Microsoft Windows 7,8,8.1 or 10 is recommended.
- ❖ Client Machine : This will be used by the faculty members or the user
  - ➢ A web browser: Java Script enabled.

## 1.3 Functional Requirements

### 1.3.1 User Login (Student and Faculty)

Each faculty and student is assigned a unique user identity (User_id) and password by the administrator. They must provide their authentication details in order to access the functionalities offered to them by the software.

### 1.3.2 View Monthly Attendance (Student)

The student can view his/her attendance of a particular subject over all the days of a month.He/she specifies the month,the year and the subject.The software should generate a report showing the the attendance of the student over the specified month. The report should segregate the attendance of theory, practical and tutorial classes and should also show the percentage of total attendance for each type of class.

### 1.3.3 View Summative Attendance (Student)

The student can view his/her attendance of all the subjects of a particular semester.The report generated by the software should segregate the attendance of theory, practical and tutorial classes of each subject and should also show the percentage of total attendance for each type of class for each subject.

### 1.3.4 Marking the Attendance(Faculty)

Only the assigned faculty of a student batch has the authority to mark the attendance.After login,the faculty specifies the name of the subject (Subject_Id) ,the type of class (theory/practical/tutorial) and the number of classes for which he/she wishes to mark the attendance.He/She is then presented with the list of students who have opted for the specified subject. Then he/she marks the attendance by selecting a checkbox corresponding to each student's name.The attendance is then submitted and updations are made into the database.

### 1.3.5 View Attendance(Faculty)

Only the assigned faculty of a student batch has the authority to view the attendance.After login,the faculty specifies the name of the subject (Subject_Id) ,the type of class (theory/practical/tutorial) and the date of the class whose attendance he/she wishes to view.He/She is then presented with the list of students who have opted for that subject. The

number of classes each student attended out of the total classes conducted for the specified subject on the specified date is shown in the report.
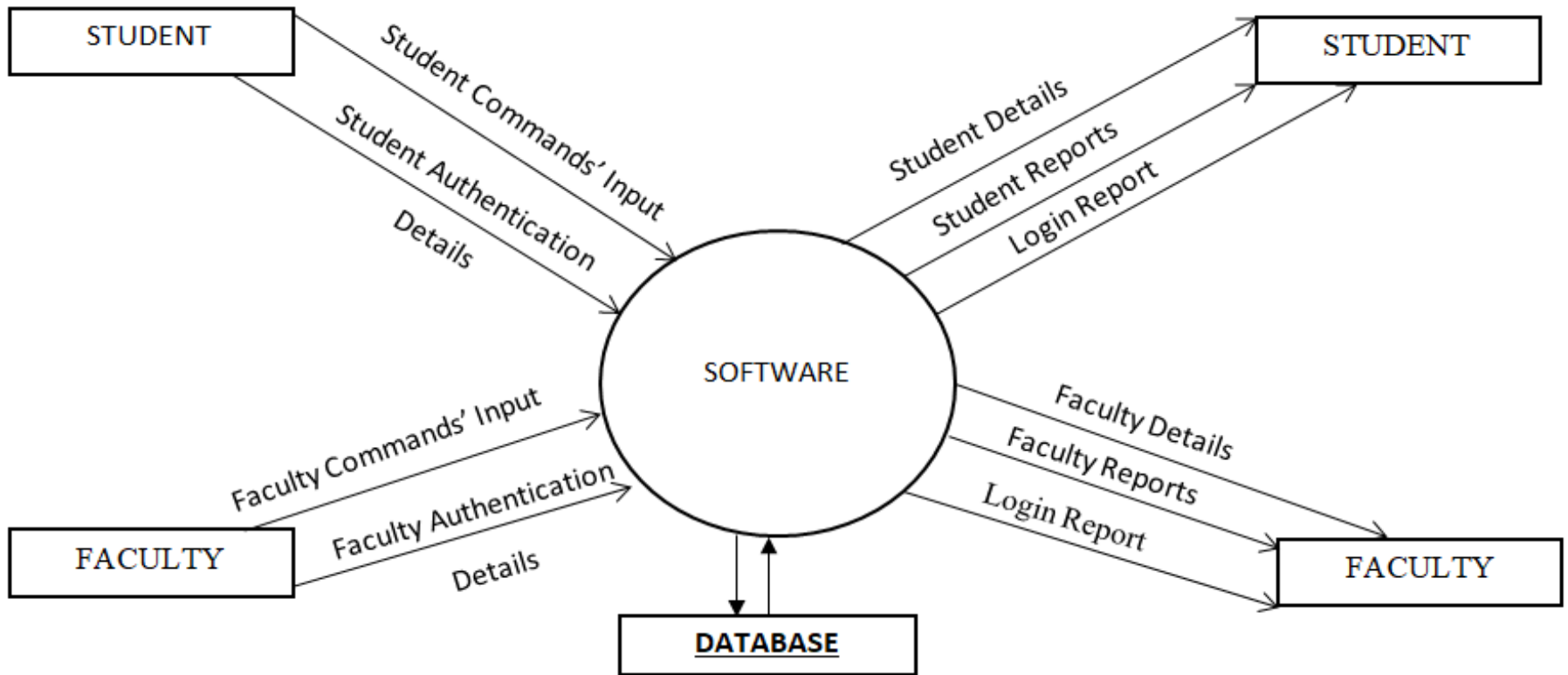
### 1.3.6 Edit Attendance(Faculty)

Only the assigned faculty of a student batch has the authority to edit the attendance.After login,the faculty specifies the name of the subject (Subject_Id) ,the type of class (theory/practical/tutorial) and the date of the class whose attendance he/she wishes to view.He/She is then presented with the list of students who have opted for the specified subject. Then he/she can edit the attendance by selecting an option from the select menu corresponding to each student.The options offered in the select menu depend on the total classes conducted on the specified date.The attendance is then submitted and updations are made into the database.

## 1.4    Data Flow Diagram

STUDENT

Student Commands' Input

Student Authentication Details

STUDENT

Student Details

Student Reports

Login Report

SOFTWARE

Faculty Commands' Input

Faculty Authentication Details

FACULTY

Faculty Details

Faculty Reports

Login Report

FACULTY

DATABASE

### 1.4.1   0-Level Data Flow Diagram
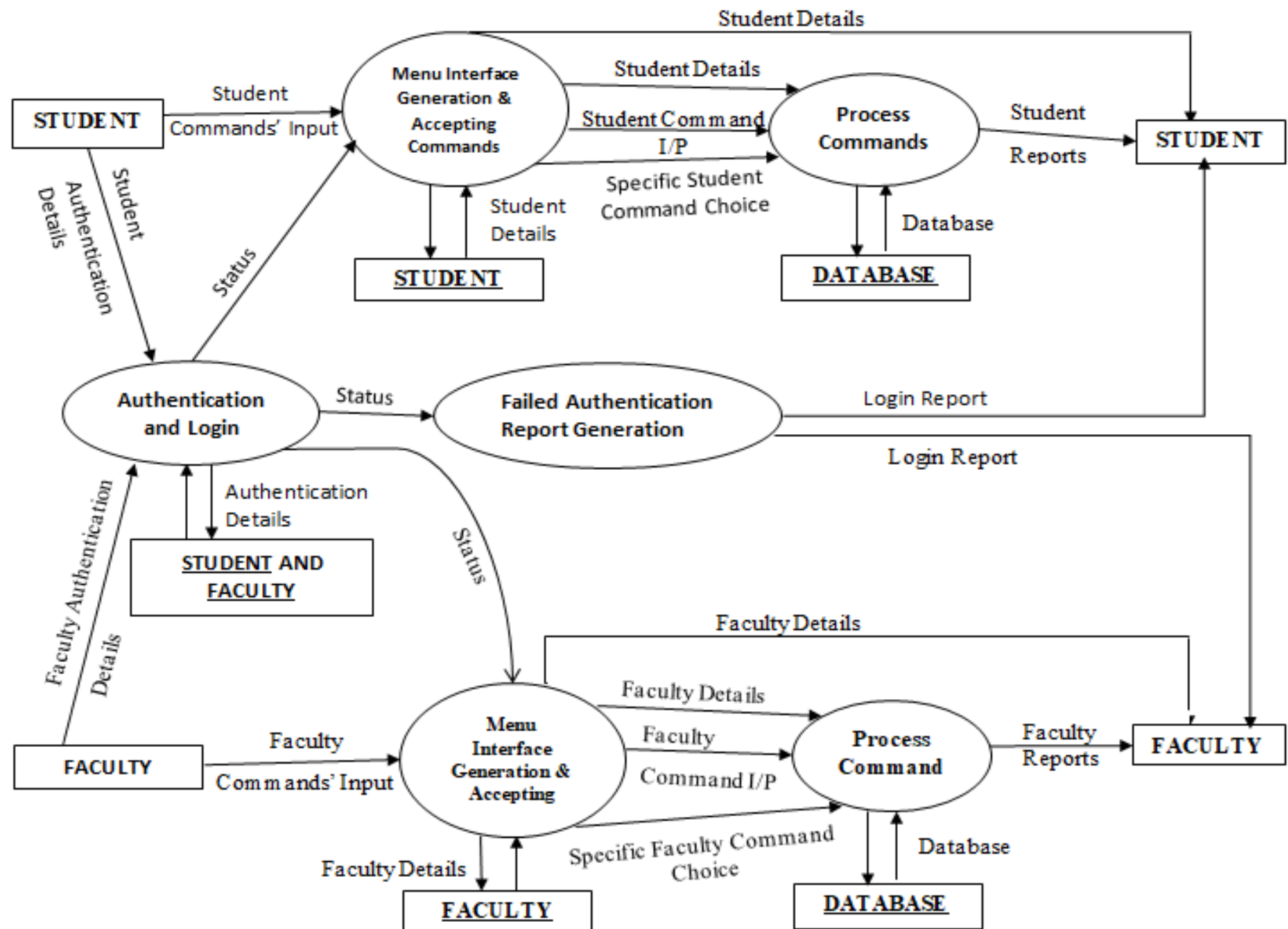
**1.4.2  1-Level Data Flow Diagram**

## 1.5 Data Dictionary

| Data | Description |
|---|---|
| Student Authentication Details | User Id+ Password +Student |
| Faculty Authentication Details | User Id+ Password + Faculty |
| Authentication Details | User Id+ Password |
| Status | Valid\| Invalid |
| Faculty Details | Teacher Id+ Name+ Department+ User Id+ Password |
| Faculty Commands'Input | [Mark Attendance\|View Attendance\|Edit Attendance] +[[Theory\| Practical\|Tutorial] + Subject Id+ No Of Classes+ Attendance]\|[[Theory\| Practical\|Tutorial] + Subject Id+ Date+ Attendance]\|[[Theory\| Practical\|Tutorial] + Subject Id+ Date] |
| Faculty Command Input | [[Theory\| Practical\|Tutorial] + Subject Id+ No Of Classes+ Attendance ]\|[[Theory\| Practical\|Tutorial] + Subject Id+ Date+ Attendance] \|[[Theory\| Practical\|Tutorial] + Subject Id+ Date] |
| Specific Faculty Command Choice | Mark Attendance\| View Attendance\| Edit Attendance |
| Student Details | Roll_No+ Name+ Class Id+ Department+ University Enrollment Number+ User Id+ Password+ Year Of Admission |
| Student Commands' I/P | View Monthly Attendance \|View Summative Attendance |
| Student Command I/P | View Monthly Attendance \|View Summative Attendance |
| Specific Student Command Choice | View Monthly Attendance \|View Summative Attendance |
| Student Reports | Summative Attendance Report\| Monthly Attendance Report |
| Faculty Reports | View Attendance Report\| Edit Attendance Acknowledgement\| Mark Attendance Acknowledgement |
| Login Report | Invalid Credentials Message |

# 2. Design

## 2.1 Entity-Relationship Model
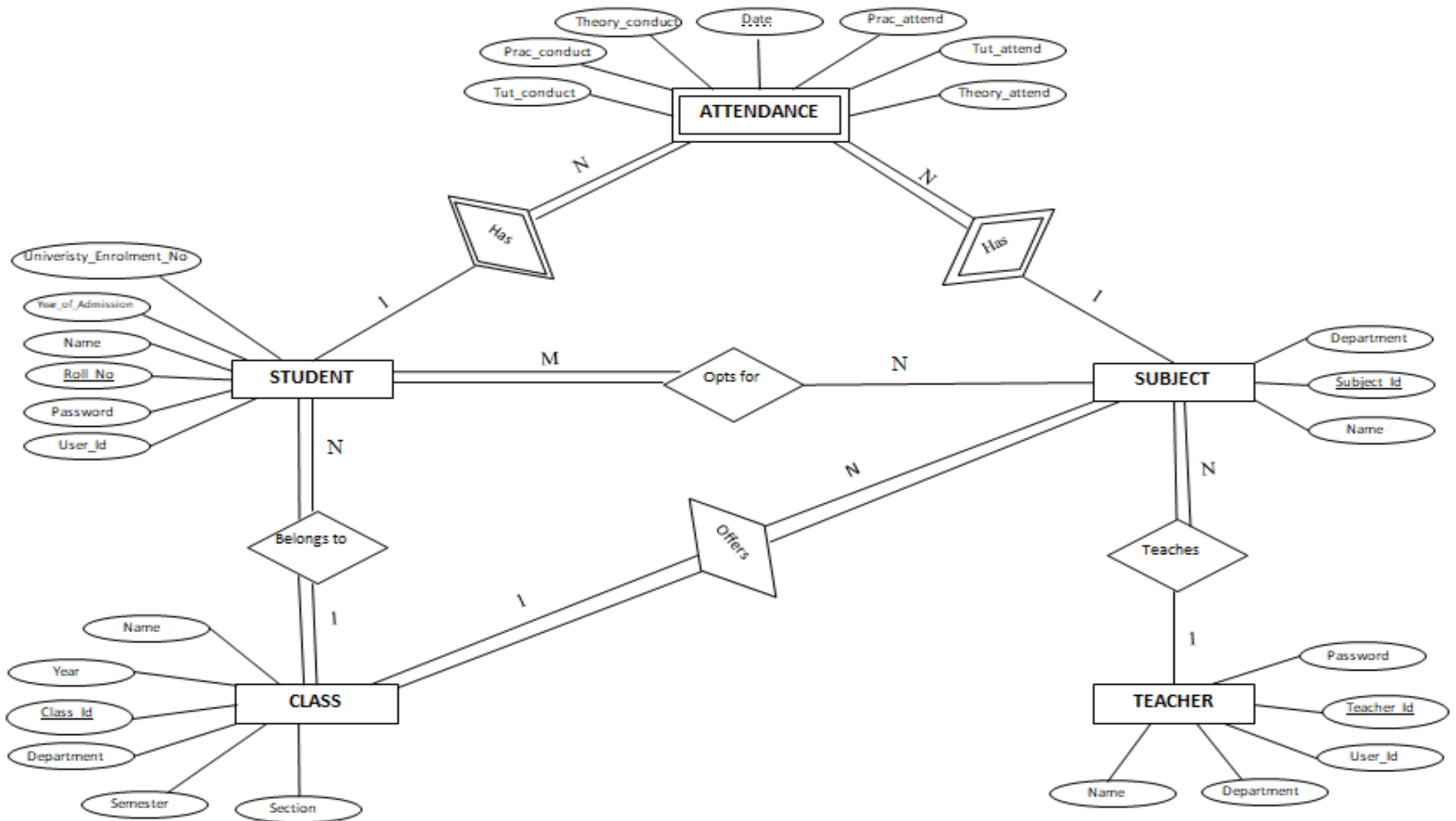
## 2.2 Relational Model

### 1. STUDENT

| Roll_No | Name | Year_of_Admission | University_Enrolment_No | Class_Id | User_Id | Password |
|---------|------|-------------------|-------------------------|----------|---------|----------|
|         |      |                   |                         |          |         |          |

    a. Roll_No-> Name, Year_of_Admission, University_Enrolment_No, User_Id, Password, Class_Id.

    b. User_Id -> Name, Roll_No, Year_of_Admission, University_Enrolment_No, Password, Class_Id.

    c. University_Enrolment_No -> Name, Roll_No, Year_of_Admission, User_Id, Password, Class_Id.

    **i.** **PRIMARY KEY:** Roll_No

    **ii.** **FOREIGN KEY:** Class_Id (Student) references  Class_Id (Class)

    **iii.** **CANDIDATE KEYS:** User_Id, Roll_No, University_Enrolment_No

    **iv.** **ALTERNATE KEYS:** User_Id, University_Enrolment_No

### 2. SUBJECT

| Subject_Id | Department | Teacher_Id | Class_Id | Name |
|------------|------------|------------|----------|------|
|            |            |            |          |      |

    a. Subject_Id-> Teacher_Id, Class_Id, Department, Name.

    b. Teacher_Id, Class_Id-> Subject_Id, Department, Name.

    **i.** **PRIMARY KEY:** Subject_Id

    **ii.** **FOREIGN KEY:**

      Teacher_Id (Subject) references Teacher_Id (Teacher)

      Class_Id (Subject) references Class_Id (Class)

    **iii.** **CANDIDATE KEYS:** Subject_Id,(Teacher_Id, Class_Id)

    **iv.** **ALTERNATE KEYS:** (Teacher_Id, Class_Id)

### 3. CLASS

| Class_Id | Name | Year | Section | Semester | Department |
|----------|------|------|---------|----------|------------|
|          |      |      |         |          |            |

    a. Class_Id-> Name, Year, Department, Semester, Section.

    **i.** **PRIMARY KEY:** Class_Id

    **ii.** **FOREIGN KEY: -**

    **iii.** **CANDIDATE KEYS:**  Class_Id

    **iv.** **ALTERNATE KEYS: -**

**4. TEACHER**

| Teacher_Id | Name | Department | User_Id | Password |
|---|---|---|---|---|
|  |  |  |  |  |

    a. Teacher_Id-> User_Id, Name, Department, Password.

    b. User_Id-> Name, Teacher_Id, Department, Password.

    **i.** **PRIMARY KEY:** Teacher_Id

    **ii.** **FOREIGN KEY: -**

    **iii.** **CANDIDATE KEYS:** User_Id, Teacher_Id

    **iv.** **ALTERNATE KEYS:** User_Id

**5. ATTENDANCE_2**

| Subject_Id | Date | Tut_conduct | Theory_conduct | Prac_conduct |
|---|---|---|---|---|
|  |  |  |  |  |

    a. Subject_Id, Date-> Tut_conduct, Theory_conduct, Prac_conduct.

    **i.** **PRIMARY KEY:** (Subject_Id, Date)

    **ii.** **FOREIGN KEY:** Subject_Id (Attendance_2) references Subject_Id (Subject)

    **iii.** **CANDIDATE KEYS:** (Subject_Id, Date)

    **iv.** **ALTERNATE KEYS: -**

**6. ATTENDANCE_1**

| Subject_Id | Student_Id | Date | Tut_attend | Theory_attend | Prac_attend |
|---|---|---|---|---|---|
|  |  |  |  |  |  |

    a. Subject_Id, Student_Id, Date-> Tut_attend, Theory_attend, Prac_attend.

    **i.** **PRIMARY KEY:** (Subject_Id, Student_Id, Date)

    **ii.** **FOREIGN KEY:**
        Subject_Id (Attendance_1) references Subject_Id (Subject)
        Student_Id (Attendance_1) references Roll_No (Student)

    **iii.** **CANDIDATE KEYS:** (Subject_Id, Student_Id, Date)

    **iv.** **ALTERNATE KEYS: -**

**7.**

**8. STUDENT_SUBJECT**

| Student_Id | Subject_Id |
|---|---|
|  |  |

     **i.**     **PRIMARY KEY:** (Subject_Id, Student_Id)

    **ii.**     **FOREIGN KEY:**

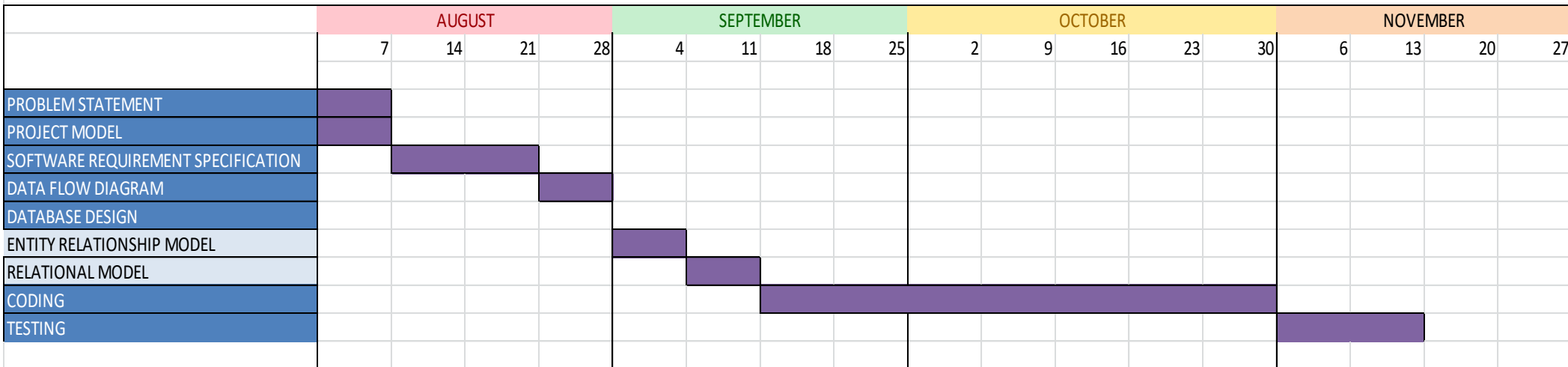       Subject_Id (Student_Subject) references Subject_Id (Subject)

       Student_Id (Student_Subject) references Roll_No (Student)

   **iii.**     **CANDIDATE KEYS:** (Subject_Id, Student_Id)

**ALTERNATE KEYS: -**

# 3. Scheduling

## Gantt Chart

| | AUGUST | | | | SEPTEMBER | | | | OCTOBER | | | | | NOVEMBER | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 7 | 14 | 21 | 28 | 4 | 11 | 18 | 25 | 2 | 9 | 16 | 23 | 30 | 6 | 13 | 20 | 27 |
| PROBLEM STATEMENT | ▮ | | | | | | | | | | | | | | | | |
| PROJECT MODEL | ▮ | | | | | | | | | | | | | | | | |
| SOFTWARE REQUIREMENT SPECIFICATION | | ▮ | ▮ | | | | | | | | | | | | | | |
| DATA FLOW DIAGRAM | | | | ▮ | | | | | | | | | | | | | |
| DATABASE DESIGN | | | | | | | | | | | | | | | | | |
| ENTITY RELATIONSHIP MODEL | | | | | ▮ | | | | | | | | | | | | |
| RELATIONAL MODEL | | | | | | ▮ | | | | | | | | | | | |
| CODING | | | | | | | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | ▮ | | | | |
| TESTING | | | | | | | | | | | | | | ▮ | ▮ | | |

# 4. Code

The languages used for this project are JavaScript, Java Server Pages, HTML and CSS.The code consists of a number of web pages and a few other files.Each of those files has been specified below separately :

## 4.1  index.jsp

```
<html>

  <head>

            <link rel="stylesheet" type="text/css" href="css/styles.css" >
            <title>Welcome</title>
            <link rel="icon" type="image/gif" href="Favicon.ico" />

  </head>


  <body style="background:#421c52 " >



        <form   method="POST" action="login.jsp">

             <center>
              <img alt="University of Delhi" style="margin:0 auto; margin-top:30px;"
src="University_of_Delhi.png">

               <h1 style="color:white" >
                 Welcome to University of Delhi
               </h1>


               <br>

             </center>

               <div style="margin-bottom:10px ;margin-top:20px ;margin-left:460px
;margin-right:460px;">

                    <br>

                    <p style="text-align:center; "><b>Select Department or
College</b></p>
                    <select name="college" required="required">
                      <option></option>
                      <option value="new_attendance">Department of Computer
Science</option>
                      <option value="new_attendance">Hansraj College</option>
```

```html
                                <option value="new_attendance">I.P. College For
Women</option>
                                <option value="new_attendance">Keshav
Mahavidyalaya</option>
                                <option value="new_attendance"></option>
                                <option></option>
                                <option></option>
                                <option></option>
                                <option></option>
                                <option></option>
                                <option></option>
                                <option></option>
                                <option></option>
                                <option></option>

                        </select>


                        <br>

                        <br>

                        <input style="width: 225px;height :30px;background-color:
rgb(255, 99, 71)" class="mybutton" type="Submit" onClick="choice(this.form)"value="Submit"
name="submit" >

                        <br>
                        <br>

                    </div>

                </form>

            </body>


        </html>
```

## 4.2 edit_attendance.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
<!DOCTYPE html>
<html>
  <head>
    <link rel="icon" type="image/gif" href="Favicon.ico" />
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <link rel="stylesheet" type="text/css" href="css/styles.css"/>
    <title>Edit Attendance</title>
  </head>
  <body>
    <% int i=0;%>

    <h2 style="margin-top:20px;">Details</h2>

    <div style="padding:15px;margin-left:200px;margin-right:200px;">
            <table style="width:100%;border-spacing:10px">


                <tr>
                  <td class="m1">Faculty:</td>
                  <td class="m2"><c:out value="${param.tname}"></c:out></td>
                  <td class="m1">Date:</td>
                  <td class="m2"><c:out value="${param.abc}"></c:out></td>


                </tr>

                <tr>

                  <td class="m1">Subject:</td>
                  <td class="m2"><c:out value="${param.subject}"></c:out></td>
                  <td class="m1">Attendance Type:</td>
                  <td class="m2"><c:out value='<%=
request.getParameter("attendance_type").toUpperCase() %>'></c:out></td>

                </tr>

            </table>
            </div>
```

```jsp
<sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/attendance"
                   user="root" password="amalik"></sql:setDataSource>
        <c:choose>

            <c:when test="${param.attendance_type=='theory'}">
            <sql:query dataSource="${db}" var="rs">
              select theory_conduct from attendance_2 where  Date=? and Subject_id=?;
                <sql:param value="${param.abc}"></sql:param>
                <sql:param value="${param.subject}"></sql:param>
            </sql:query>

              <c:choose>
                <c:when test="${rs.rowCount== 0}">
                  <div>
                     <p style="text-align:center;font-size:18px;">No Class Conducted</p>
                  </div>
                </c:when>
                <c:otherwise>
            <c:forEach var="row" items="${rs.rows}">
              <c:set var="total" value="${row.theory_conduct}"></c:set>
            </c:forEach>
             <sql:query dataSource="${db}" var="rs1">
                select Roll_no,Name,theory_attend from attendance_1,student where
Roll_no=Student_id and Date=? and Subject_id=?;
                <sql:param value="${param.abc}"></sql:param>
                <sql:param value="${param.subject}"></sql:param>
             </sql:query>
                <%  i=0;%>

                <form action="newjsp.jsp" method="POST">
```

```html
            <h2 style="margin-top:20px;">List of Students</h2>
          <div style="padding:15px;margin-left:200px;margin-right:200px">
          <table style="background-color: #ecf0f1;border:0px;padding:10px;border-
radius:10px" align="center">
              <th>Roll Number</th>
              <th>Student Name</th>
              <th>Attendance(<c:out value="${total}"></c:out>)</th>
          <c:forEach var="row1" items="${rs1.rows}">
          <tr>
              <td class="m2"><c:out value="${row1.Roll_no}"></c:out></td>
          <input type="hidden" name="roll<%=i%>" value="${row1.Roll_no}"/>
              <td class="m2"style="width:850px;"><c:out
value="${row1.Name}"></c:out></td>
              <td class="m2">
                 <select style="border-radius:5px;width:40px" name="stu<%=i++%>"
required="required">
                    <c:forEach begin="0" end="${total}" step="1" var="j">
                      <c:if test="${j==row1.theory_attend}">
                         <option value="${j}" selected="selected"><c:out
value="${j}"></c:out></option>
                      </c:if>
                      <c:if test="${j!=row1.theory_attend}">
                       <option value="${j}"><c:out value="${j}"></c:out></option>
                      </c:if>
                    </c:forEach>

                 </select>
              </td>
          </tr>
          </c:forEach>
          </table>
          </div>

          </c:otherwise>
            </c:choose>
          </c:when>
```

```jsp
<c:when test="${param.attendance_type=='practical'}">

    <sql:query dataSource="${db}" var="rs">
    select prac_conduct from attendance_2 where  Date=? and Subject_id=?
    <sql:param value="${param.abc}"></sql:param>
    <sql:param value="${param.subject}"></sql:param>
 </sql:query>

    <c:choose>
       <c:when test="${rs.rowCount== 0}">
          <div>
              <p style="text-align:center;font-size:18px;">No Class Conducted</p>
           </div>
       </c:when>
       <c:otherwise>
  <c:forEach var="row" items="${rs.rows}">
     <c:set var="total" value="${row.prac_conduct}"></c:set>
  </c:forEach>
    <sql:query dataSource="${db}" var="rs1">
       select Roll_no,Name,prac_attend from attendance_1,student where
Roll_no=Student_id and Date=? and Subject_id=?;
       <sql:param value="${param.abc}"></sql:param>
       <sql:param value="${param.subject}"></sql:param>
    </sql:query>
       <%  i=0;%>

       <form action="newjsp.jsp" method="POST">
        <h2 style="margin-top:20px;">List of Students</h2>
```

```
<div style="padding:15px;margin-left:200px;margin-right:200px">
<table style="background-color: #ecf0f1;border:0px;padding:10px;border-radius:10px" align="center">
    <th>Roll Number</th>
    <th>Student Name</th>
    <th>Attendance(<c:out value="${total}"></c:out>)</th>
<c:forEach var="row1" items="${rs1.rows}">
<tr>
    <td class="m2"><c:out value="${row1.Roll_no}"></c:out></td>
<input type="hidden" name="roll<%=i%>" value="${row1.Roll_no}"/>
    <td class="m2"style="width:850px;"><c:out value="${row1.Name}"></c:out></td>
    <td class="m2">
        <select style="border-radius:5px;width:40px" name="stu<%=i++%>" required="required">
            <c:forEach begin="0" end="${total}" step="1" var="k">
              <c:if test="${k==row1.prac_attend}">
                <option value="${k}" selected="selected"><c:out value="${k}"></c:out></option>
              </c:if>
              <c:if test="${k!=row1.prac_attend}">
               <option value="${k}"><c:out value="${k}"></c:out></option>
              </c:if>
            </c:forEach>

        </select>
      </td>
</tr>
</c:forEach>
</table>
</div>
</c:otherwise>
</c:choose>
</c:when>
```

```jsp
<c:when test="${param.attendance_type=='tut'}">

    <sql:query dataSource="${db}" var="rs">
   select tut_conduct from attendance_2 where  Date=? and Subject_id=?
   <sql:param value="${param.abc}"></sql:param>
   <sql:param value="${param.subject}"></sql:param>
 </sql:query>

   <c:choose>
      <c:when test="${rs.rowCount== 0}">
         <div>
             <p style="text-align:center;font-size:18px;">No Class Conducted</p>
          </div>
      </c:when>
      <c:otherwise>
  <c:forEach var="row" items="${rs.rows}">
    <c:set var="total" value="${row.tut_conduct}"></c:set>
  </c:forEach>
   <sql:query dataSource="${db}" var="rs1">
     select Roll_no,Name,tut_attend from attendance_1,student where
Roll_no=Student_id and Date=? and Subject_id=?;
      <sql:param value="${param.abc}"></sql:param>
      <sql:param value="${param.subject}"></sql:param>
  </sql:query>
     <%  i=0;%>

     <form action="newjsp.jsp" method="POST">
      <h2 style="margin-top:20px;">List of Students</h2>
     <div style="padding:15px;margin-left:200px;margin-right:200px">
     <table style="background-color: #ecf0f1;border:0px;padding:10px;border-
radius:10px" align="center">
         <th>Roll Number</th>
```

```html
        <th>Student Name</th>
        <th>Attendance(<c:out value="${total}"></c:out>)</th>
    <c:forEach var="row1" items="${rs1.rows}">
    <tr>
        <td class="m2"><c:out value="${row1.Roll_no}"></c:out></td>
    <input type="hidden" name="roll<%=i%>" value="${row1.Roll_no}"/>
        <td class="m2"style="width:850px;"><c:out
value="${row1.Name}"></c:out></td>
        <td class="m2">
            <select style="border-radius:5px;width:40px" name="stu<%=i++%>"
required="required">
                <c:forEach begin="0" end="${total}" step="1" var="r">
                    <c:if test="${r==row1.tut_attend}">
                        <option value="${r}" selected="selected"><c:out
value="${r}"></c:out></option>
                    </c:if>
                    <c:if test="${r!=row1.tut_attend}">
                     <option value="${r}"><c:out value="${r}"></c:out></option>
                    </c:if>
                </c:forEach>

            </select>
        </td>
    </tr>
    </c:forEach>
    </table>

    </div>
    </c:otherwise>
    </c:choose>
    </c:when>
    </c:choose>


    <input type="hidden" name="subject" value="${param.subject}"/>
    <input type="hidden" value="${param.abc}" name="date"/>
    <input type="hidden" value="${param.attendance_type}"
name="attendance_type"/>
    <input type="hidden" name="num_update" value="<%=i%>"/>
    <input type="hidden" name="user_id" value="${param.user_id}"/>
    <input type="hidden" name="password" value="${param.password}"/>
    <br>

    <input style="width: 225px;height :30px;background-color: tomato;"
class="mybutton" type="submit" value="Submit"/>
    <br>
```

```
                    </form>


            <form action="faculty_home.jsp">
              <br>
              <input style="width: 225px;height :30px;" class="mybutton" type="submit"
value="Back"/>
                 <input type="hidden" name="user_id" value="${param.user_id}"/>
              <input type="hidden" name="password" value="${param.password}"/>
            </form>
        </body>




        </html>
```

## 4.3 *faculty_home.jsp*

```
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>

<!DOCTYPE html>
<html>
  <head>
      <link rel="stylesheet" type="text/css" href="css/styles.css">
      <link rel="icon" type="image/gif" href="Favicon.ico" />
      <title>Teacher</title>

      <script>
        function Unhide1(form1)
        {
          var x = document.getElementById("myDIV1");
          if (x.style.display === "none")
          {
            x.style.display = "block";
          }
          else
          {
            x.style.display = "none";
          }

        }
        function Unhide2(form1)
        {
          var x = document.getElementById("myDIV2");
          if (x.style.display === "none")
          {
            x.style.display = "block";
          }
          else
          {
            x.style.display = "none";
          }

        }
        function Unhide3(form1)
        {
          var x = document.getElementById("myDIV3");
          if (x.style.display === "none")
          {
            x.style.display = "block";
          }
```

```
        else
        {
           x.style.display = "none";
        }

     }


     function takeattendance(form1)
     {
        form1.action="take_attendance.jsp";
     }
     function viewattendance(form1)
     {
        form1.action="view_attendance.jsp";
     }
     function editattendance(form1)
     {
        form1.action="edit_attendance.jsp";
     }

  </script>


</head>

<body>
   <form method="POST">
      <c:set var="flag" value="0"/>
      <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/attendance"
              user="root" password="amalik"></sql:setDataSource>

      <sql:query dataSource="${db}" var="result">
          select Name,Department,Teacher_id from Teacher where user_id=? and
password=?;
          <sql:param value="${param.user_id}"></sql:param>
          <sql:param value="${param.password}"></sql:param>
      </sql:query>

      <c:choose>

        <c:when test="${result.rowCount== 0}">
           <h2 style="margin-top: 100px;">Record Not Found</h2>
           <div>
              <p style="text-align:center;font-size:18px;">Invalid Credentials</p>
```

```
                    <c:set var="flag" value="1"/>
                  </div>
               <br>


            </c:when>

            <c:otherwise>


            <h2 style="margin-top:20px;">Your Details</h2>
              <div style="padding:15px;margin-left:200px;margin-right:200px;">
                <table style="width:100%;border-spacing:10px">

                  <c:forEach var="row" items="${result.rows}">

                    <tr>
                      <td class="m1">Name:</td>
                      <td class="m2"><c:out value="${row.Name}"></c:out></td>
                      <c:set var="x" value="${row.Teacher_Id}"></c:set>
                      <input type="hidden" name="tname" value="${row.Name}"/>
                    </tr>

                    <tr>

                      <td class="m1">Department:</td>
                      <td class="m2"><c:out
value="${row.Department}"></c:out></td>

                    </tr>

                    <tr>

                      <sql:query dataSource="${db}" var="result2">
                        select su.name,subject_id from subject su,teacher t where
t.teacher_id=? and t.teacher_id=su.teacher_id;
                        <sql:param value="${x}"></sql:param>
                      </sql:query>

                      <td class="m1">Select Subject</td>
                      <td class="m1">
                        <select required="required" style="border-
radius:5px;width:80px;"name="subject">
                            <option value="0" selected></option>
                            <c:forEach var="j" items="${result2.rows}">
                            <option value="${j.subject_id}"> <c:out
```

```html
value="${j.subject_id}"></c:out>  <c:out value="${j.name}"></c:out> </option>
                          </c:forEach>

              </select>
            </td>
          </tr>

      </c:forEach>
        <tr>

            <td class="m1">Select Class Type:</td>
            <td  style="text-align:left;padding:5px;font-size:17px;border:0px;
">
                <input type="radio" name="attendance_type" value="theory"
required="required"/>Theory
                <input type="radio" name="attendance_type"
value="practical"/>Practical
                <input type="radio" name="attendance_type"
value="tut"/>Tutorial

            </td>

          </tr>

      </table>

      <br>
      <input style="text-align:center;font-size:18px;width:450px;height:
38px;border-radius:10px;background-color:tomato;color:white;border:0px;" class="mybutton2"
type="button"  value="Mark Attendance" name="take_attendance"
onClick="Unhide3(this.form)">

      <div id="myDIV3" style="display:none;">
        <table style="width:70%;border-spacing:10px;">
          <tr>

            <td class="m1">Select the No of Classes:</td>


            <td class='m1'>
              <select required="required" style="border-
radius:5px;width:80px"name="num_class" required="required">

                <option value="0" ></option>
                <option value="1" >1</option>
                <option value="2" >2</option>
```

```html
                              <option value="3" >3</option>
                              <option value="4" >4</option>
                              <option value="5" >5</option>
                              <option value="6" >6</option>
                              <option value="7" >7</option>
                              <option value="8" >8</option>


                          </select>
                        </td>
                      </tr>

                      <tr>
                        <td></td>
                        <td class="m1">
                          <input class="mybutton" style="width:100px;border-
radius:6px;"type="submit" value="SUBMIT" onClick="takeattendance(this.form)" >
                        </td>

                      </tr>
                    </table>
                  </div>
                  <br>
                  <br>
                  <input style="text-align:center;font-size:18px;width:450px;height:
38px;border-radius:10px;background-color:blueviolet;color:white;border:0px;"
class="mybutton2" type="button"  value="Edit Attendance" name="edit_attendance"
onClick="Unhide1(this.form)">
                  <div id="myDIV1" style="display:none" >
                    <table style="width:100%;border-spacing:10px;">
                      <tr>
                        <td class="m1">Enter the Date:</td>
                        <td class="m1">
                          <input style="border-radius: 6px; "type="date" name="abc">
                        </td>
                      </tr>

                      <tr>
                        <td class="m1"></td>
                        <td class="m1">
                          <input class="mybutton" style="width:100px;border-
radius:6px;"type="submit" value="SUBMIT" onClick="editattendance(this.form)" >
                        </td>

                      </tr>
                    </table>
```

```html
            </div>
            <br>
            <br>
            <input style="text-align:center;font-size:18px;width:450px;height:
38px;border-radius:10px;background-color:blueviolet;color:white;border:0px;" type="button"
class="mybutton2" value="View Attendance" name="view_attendance"
onClick="Unhide2(this.form)">
            <br>
            <div id="myDIV2" style="display:none;">
              <table style="width:100%;border-spacing:10px;">
                <tr>
                  <td class="m1">Enter the Date:</td>

                  <td class="m1">
                    <input style="border-radius: 6px; "type="date" name="date">
                  </td>
                </tr>

                <tr>
                  <td class="m1"></td>
                  <td class="m1">
                    <input class="mybutton" style="width:100px;border-
radius:6px;"type="submit" value="SUBMIT" onClick="viewattendance(this.form)">
                  </td>


                </tr>
              </table>
            </div>
            <br>
            <br>



        </div>
      <br>


      </c:otherwise>


    </c:choose>


      <input type="hidden" value="${param.college}" name="college"/>
```

```
                    <input type="hidden" name="user_id" value="${param.user_id}"/>
                    <input type="hidden" name="password" value="${param.password}"/>

            </form>


                 <c:choose>

            <c:when test="${flag==1}">
            <form action="login.jsp">

                <input style="width: 225px;height :30px;" class="mybutton" type="Submit"
value="Back" >

            </form>
            </c:when>
            <c:otherwise>


             <form action="login.jsp">

              <input style="width: 225px;height :30px;" class="mybutton" type="Submit"
value="Log Out" >
            </form>
            </c:otherwise>
            </c:choose>


         </body>
       </html>
```

## 4.4  login.jsp

```
<html>

  <head>

            <link rel="stylesheet" href="css/styles.css" >
            <title>Login</title>
            <link rel="icon" type="image/gif" href="Favicon.ico" />

            <script language="Javascript">
                  function choice(form1)
                    {
                       if(form1.role[0].checked === true)
                       {
                          form1.action="student_home.jsp";
                       }
                       else
                       {
                        form1.action="faculty_home.jsp";
                       }
                    }
            </script>

  </head>


  <body >

            <h2 style="margin-top:100px">Welcome</h2>


            <form   method="POST">


                  <div style="margin-bottom:20px ;margin-top:20px ;margin-left:440px
;margin-right:440px;">

                        <br>

                        <p style="text-align:left; margin-bottom:5px;margin-left:
117px">User Name</p>

                        <input style="width: 225px;height :30px;" class="mybutton2"
type="text" name="user_id" required="required">
```

```html
                                <p style="text-align:left; margin-bottom:5px;margin-left:
117px">Password</p>

                                <input style="width: 225px;height :30px;"class="mybutton2"
type="password" name="password" >

                                <br>
                                <br>

                                <input type="radio" name="role" value="student"
required="required">Student
                                <input type="radio" name="role" value="faculty" >Faculty

                                <br>
                                <br>

                                <input style="width: 225px;height :30px;" class="mybutton"
type="Submit" onClick="choice(this.form)"value="Login" name="login" >

                                <br>
                                <br>

                    </div>
                      <input type="hidden" value="${param.college}" name="college"/>
                </form>

        </body>



        </html>
```

## 4.5 monthly_attendance_temp.jsp

```jsp
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <title>Monthly Attendance</title>
    <link rel="stylesheet" type="text/css" href="css/styles.css">
    <link rel="icon" type="image/gif" href="Favicon.ico" />
  </head>
  <style>
        td.m3{
          text-align:center;
          padding:5px;
          font-size:17px;
          border:0px;
          background-color: white;
          border-radius: 5px;
            }


  </style>
  <body>
    <form method="POST"  action="student_home.jsp">
    <h2>Monthly Attendance</h2>


    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
            url="jdbc:mysql://localhost:3306/attendance"
            user="root" password="amalik"></sql:setDataSource>

    <sql:query dataSource="${db}" var="results">
     select sum(a1.tut_attend) as tua,sum(a1.prac_attend) as pa,sum(a1.theory_attend) as
tha,sum(a2.tut_conduct) as tuc,sum(a2.theory_conduct) as thc,sum(a2.prac_conduct) as pc from
((attendance_1 a1 JOIN attendance_2 a2 on a1.subject_id=a2.subject_id and a1.date=a2.date))
where student_id=? and a1.subject_id=? and month(a2.date)=? and year(a2.date)=?;
        <sql:param value="${param.stroll_no}"></sql:param>
        <sql:param value="${param.subject}"></sql:param>
        <sql:param value="${param.month}"></sql:param>
        <sql:param value="${param.year}"></sql:param>

    </sql:query>

    <sql:query dataSource="${db}" var="sub_result">
```

```
      select name from subject where subject_id=?;
      <sql:param value="${param.subject}"></sql:param>
    </sql:query>



      <c:forEach var="j" items="${sub_result.rows}">
        <c:set var="z" value="${j.name}"></c:set>
      </c:forEach>



      <c:forEach var="row" items="${results.rows}">
       <c:set var="tut_attend" value="${row.tua}"></c:set>
       <c:set var="prac_attend" value="${row.pa}"></c:set>
       <c:set var="theory_attend" value="${row.tha}"></c:set>
       <c:set var="tut_conduct" value="${row.tuc}"></c:set>
       <c:set var="theory_conduct" value="${row.thc}"></c:set>
       <c:set var="prac_conduct" value="${row.pc}"></c:set>
      </c:forEach>



      <c:set var="theory_attend_sum" value="0"></c:set>
      <c:set var="theory_conduct_sum" value="0"></c:set>
      <c:set var="prac_attend_sum" value="0"></c:set>
      <c:set var="prac_conduct_sum" value="0"></c:set>
      <c:set var="tut_attend_sum" value="0"></c:set>
      <c:set var="tut_conduct_sum" value="0"></c:set>

<div style="padding:15px;margin-left:10px;margin-right:10px;">
<table style="width:100%;border-spacing:10px">
   <tr>
      <td class="m1">Name:</td>
      <td class="m2"><c:out value="${param.stname}"></c:out></td>
      <td class="m1">Roll Number:</td>
      <td class="m2"><c:out value="${param.stroll_no}"></c:out></td>
   </tr>
   <tr>
      <td class="m1">Class:</td>
      <td class="m2"><c:out value="${param.stclass_name}"></c:out></td>
      <td class="m1">Semester:</td>
      <td class="m2"><c:out value="${param.stsemester}"></c:out></td>
   </tr>
   <tr>
      <td class="m1">Year of Admission:</td>
      <td class="m2"><c:out value="${param.styear_of_admission}"></c:out></td>
   </tr>
```

```html
<tr>
   <td class="m1">Subject Name</td>
   <td class="m2"><c:out value="${z}"></c:out></td>
   <td class="m1">Subject ID:</td>
   <td class="m2"><c:out value="${param.subject}"></c:out></td>
 </tr>
 <tr>
   <td class="m1">Month:</td>
   <td class="m2"><c:out value="${param.month}"></c:out></td>
   <td class="m1">Year:</td>
   <td class="m2"><c:out value="${param.year}"></c:out></td>
 </tr>

</table>

<table style="border-radius:10px;background-color:white;padding:10px;;margin-top:
50px;">
     <tr style="background-color">
       <th style="text-align:left;">Type of Class</th>
       <th  colspan="31">Date</th>
       <th >Total</th>
     </tr>
     <tr>

     <th ></th>
     <% for(int i=1;i<32;i++){ %>
       <th ><%out.print(i);%></th>
     <% } %>
       <th>

       </th>

     </tr>

     <tr>
       <td style="background-color: pink;"class="m3">Theory</td>
       <% for(int i=1;i<32;i++){ %>
       <sql:query dataSource="${db}" var="th_result">
        select theory_attend ,theory_conduct from ((attendance_1 a1 JOIN attendance_2 a2
on a1.subject_id=a2.subject_id and a1.date=a2.date)) where student_id=? and a1.subject_id=?
and day(a2.date)=? and month(a2.date)=? and year(a2.date)=?;
         <sql:param value="${param.stroll_no}"></sql:param>
         <sql:param value="${param.subject}"></sql:param>
         <sql:param value="<%=i%>"></sql:param>
         <sql:param value="${param.month}"></sql:param>
         <sql:param value="${param.year}"></sql:param>
```

```
            </sql:query>

             <c:choose>
               <c:when test="${th_result.rowCount==0}">
               <td class="m3">-/-</td>
               </c:when>
               <c:otherwise>
               <c:forEach var="r" items="${th_result.rows}">
             <td class="m3"><c:out value="${r.theory_attend}"></c:out>/<c:out
value="${r.theory_conduct}"></c:out></td>
                 <c:set var="theory_attend_sum"
value="${theory_attend_sum+r.theory_attend}"></c:set>
                 <c:set var="theory_conduct_sum"
value="${theory_conduct_sum+r.theory_conduct}"></c:set>

               </c:forEach>
               </c:otherwise>
             </c:choose>

            <% } %>
            <c:choose>
               <c:when test="${theory_conduct_sum==0}">
                <td class="m3">Not Applicable</td>
               </c:when>
               <c:otherwise>
                <td class="m3"><c:out
value="${(100*theory_attend_sum)/theory_conduct_sum}"></c:out>%</td>
               </c:otherwise>
             </c:choose>


         </tr>

         <tr>
           <td style="background-color: pink;"class="m3">Practical</td>
           <% for(int i=1;i<32;i++){ %>
           <sql:query dataSource="${db}" var="prac_result">
            select prac_attend ,prac_conduct from ((attendance_1 a1 JOIN attendance_2 a2 on
a1.subject_id=a2.subject_id and a1.date=a2.date)) where student_id=? and a1.subject_id=? and
day(a2.date)=? and month(a2.date)=? and year(a2.date)=?;
             <sql:param value="${param.stroll_no}"></sql:param>
             <sql:param value="${param.subject}"></sql:param>
             <sql:param value="<%=i%>"></sql:param>
             <sql:param value="${param.month}"></sql:param>
             <sql:param value="${param.year}"></sql:param>
           </sql:query>
```

```
<c:choose>
    <c:when test="${prac_result.rowCount==0}">
    <td class="m3">-/-</td>
    </c:when>
    <c:otherwise>
    <c:forEach var="r" items="${prac_result.rows}">
    <td class="m3"><c:out value="${r.prac_attend}"></c:out>/<c:out
value="${r.prac_conduct}"></c:out></td>
            <c:set var="prac_attend_sum"
value="${prac_attend_sum+r.prac_attend}"></c:set>
            <c:set var="prac_conduct_sum"
value="${prac_conduct_sum+r.prac_conduct}"></c:set>

    </c:forEach>
    </c:otherwise>
</c:choose>



<% } %>
<c:choose>
    <c:when test="${prac_conduct_sum==0}">
    <td class="m3">Not Applicable</td>
    </c:when>
    <c:otherwise>
    <td class="m3"><c:out
value="${(100*prac_attend_sum)/prac_conduct_sum}"></c:out>%</td>
    </c:otherwise>
</c:choose>

</tr>
<tr>
    <td style="background-color: pink;"class="m3">Tutorials</td>

    <% for(int i=1;i<32;i++){ %>

    <sql:query dataSource="${db}" var="tu_result">
    select tut_attend ,tut_conduct from ((attendance_1 a1 JOIN attendance_2 a2 on
a1.subject_id=a2.subject_id and a1.date=a2.date)) where student_id=? and a1.subject_id=? and
day(a2.date)=? and month(a2.date)=? and year(a2.date)=?;
    <sql:param value="${param.stroll_no}"></sql:param>
    <sql:param value="${param.subject}"></sql:param>
    <sql:param value="<%=i%>"></sql:param>
    <sql:param value="${param.month}"></sql:param>
    <sql:param value="${param.year}"></sql:param>
```

```
            </sql:query>

             <c:choose>
                <c:when test="${tu_result.rowCount==0}">
                <td class="m3">-/-</td>
                </c:when>
                <c:otherwise>
                <c:forEach var="r" items="${tu_result.rows}">
             <td class="m3"><c:out value="${r.tut_attend}"></c:out>/<c:out
value="${r.tut_conduct}"></c:out></td>
                  <c:set var="tut_attend_sum" value="${tut_attend_sum+r.tut_attend}"></c:set>
                  <c:set var="tut_conduct_sum"
value="${tut_conduct_sum+r.tut_conduct}"></c:set>

                </c:forEach>
                </c:otherwise>
              </c:choose>




             <% } %>
             <c:choose>
                <c:when test="${tut_conduct_sum==0}">
                  <td class="m3">Not Applicable</td>
                </c:when>
                <c:otherwise>
                 <td class="m3"><c:out
value="${(100*tut_attend_sum)/tut_conduct_sum}"></c:out>%</td>
                </c:otherwise>
              </c:choose>

          </tr>

        </table>
           <input type="hidden" value="${param.college}" name="college"/>

      </div>
             <br>

      </form>
           <form action="student_home.jsp" method="POST">
           <input style="width: 225px;height :30px;" class="mybutton" type="Submit"
value="Back" >
           <input type="hidden" value="${param.user_id}" name="user_id"/>
           <input type="hidden" value="${param.password}" name="password"/>
           </form>
```

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

## 4.6 *newjsp.jsp*

```jsp
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>

<html>
   <head>
     <link rel="icon" type="image/gif" href="Favicon.ico" />
     <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
     <title>Untitled Page</title>
   </head>
     <c:set var="d" value="<%= new java.sql.Date(System.currentTimeMillis()) %>"></c:set>
     <input type="hidden" value="${param.college}" name="college"/>
     <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
                 url="jdbc:mysql://localhost:3306/attendance" user="root"
password="amalik"></sql:setDataSource>
     <sql:query dataSource="${db}" var="result">
       select * from attendance_2 where Date=? and subject_id=?;
       <sql:param value="${d}"></sql:param>
       <sql:param value="${param.scode}"></sql:param>
     </sql:query>
       <c:if test="${result.rowCount==0}">
         <sql:query dataSource="${db}" var="stu_id">
           select roll_no,name from student,(select student_id from student_subject where
subject_id=? ) s where roll_no=s.student_id;
           <sql:param value="${param.scode}"></sql:param>
         </sql:query>
           <c:forEach var="student" items="${stu_id.rows}">
             <sql:update dataSource="${db}">
               insert into attendance_1 values(?,?,?,0,0,0);
               <sql:param value="${param.scode}"></sql:param>
               <sql:param value="${student.roll_no}"></sql:param>
               <sql:param value="${d}"></sql:param>
             </sql:update>
           </c:forEach>
         <sql:update dataSource="${db}">
             insert into attendance_2 values(?,?,0,0,0);
             <sql:param value="${param.scode}"></sql:param>
             <sql:param value="${d}"></sql:param>
         </sql:update>
       </c:if>

   <c:choose>
     <c:when test="${param.attend_type=='theory'}">
       <sql:update dataSource="${db}">
```

```xml
          update attendance_2 set theory_conduct=theory_conduct+? where Date=? and
subject_id=?;
                <sql:param value="${param.num_class}"></sql:param>
                <sql:param value="${d}"></sql:param>
                <sql:param value="${param.scode}"></sql:param>
           </sql:update>
           <c:forEach var="prsnt_stu" items="${paramValues.attend}">
              <sql:update dataSource="${db}">
                 update attendance_1 set theory_attend=theory_attend+? where student_id=? and
date=? and subject_id=?;
                   <sql:param value="${param.num_class}"></sql:param>
                   <sql:param value="${prsnt_stu}"></sql:param>
                   <sql:param value="${d}"></sql:param>
                   <sql:param value="${param.scode}"></sql:param>
              </sql:update>
           </c:forEach>
        </c:when>
        <c:when test="${param.attend_type=='practical'}">
           <sql:update dataSource="${db}">
              update attendance_2 set prac_conduct=prac_conduct+? where Date=? and
subject_id=?;
                <sql:param value="${param.num_class}"></sql:param>
                <sql:param value="${d}"></sql:param>
                <sql:param value="${param.scode}"></sql:param>
           </sql:update>
           <c:forEach var="prsnt_stu" items="${paramValues.attend}">
              <sql:update dataSource="${db}">
                 update attendance_1 set prac_attend=prac_attend+? where student_id=? and
subject_id=? and date=?;
                   <sql:param value="${param.num_class}"></sql:param>
                   <sql:param value="${prsnt_stu}"></sql:param>
                   <sql:param value="${param.scode}"></sql:param>
                   <sql:param value="${d}"></sql:param>
                </sql:update>
           </c:forEach>
        </c:when>
        <c:when test="${param.attend_type=='tut'}">
           <sql:update dataSource="${db}">
              update attendance_2 set tut_conduct=tut_conduct+? where Date=? and subject_id=?;
              <sql:param value="${param.num_class}"></sql:param>
              <sql:param value="${d}"></sql:param>
              <sql:param value="${param.scode}"></sql:param>

           </sql:update>
           <c:forEach var="prsnt_stu" items="${paramValues.attend}">
              <sql:update dataSource="${db}">
```

```
                update attendance_1 set tut_attend=tut_attend+? where student_id=? and
subject_id=? and date=?;
                    <sql:param value="${param.num_class}"></sql:param>
                    <sql:param value="${prsnt_stu}"></sql:param>
                    <sql:param value="${param.scode}"></sql:param>
                    <sql:param value="${d}"></sql:param>
                </sql:update>
            </c:forEach>
        </c:when>
    </c:choose>

    <body onload='attedn_sucess()'>
        <script type="text/javascript">
            function attedn_sucess()
            {
                alert("Attendance Marked Successfully !");
                document.myform.submit();
            }

        </script>
        <form action="faculty_home.jsp" name="myform">
            <input type="hidden" value="${param.user_id}" name="user_id"/>
            <input type="hidden" value="${param.password}" name="password"/>
        </form>

    </body>


</html>
```

## 4.7 report.jsp

```
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>

<html>
  <head>
    <link rel="icon" type="image/gif" href="Favicon.ico" />
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Untitled Page</title>
  </head>
    <c:set var="d" value="<%= new java.sql.Date(System.currentTimeMillis()) %>"></c:set>
    <input type="hidden" value="${param.college}" name="college"/>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
                url="jdbc:mysql://localhost:3306/attendance" user="root"
password="amalik"></sql:setDataSource>
    <sql:query dataSource="${db}" var="result">
      select * from attendance_2 where Date=? and subject_id=?;
      <sql:param value="${d}"></sql:param>
      <sql:param value="${param.scode}"></sql:param>
    </sql:query>
      <c:if test="${result.rowCount==0}">
        <sql:query dataSource="${db}" var="stu_id">
          select roll_no,name from student,(select student_id from student_subject where
subject_id=? ) s where roll_no=s.student_id;
          <sql:param value="${param.scode}"></sql:param>
        </sql:query>
          <c:forEach var="student" items="${stu_id.rows}">
            <sql:update dataSource="${db}">
              insert into attendance_1 values(?,?,?,0,0,0);
              <sql:param value="${param.scode}"></sql:param>
              <sql:param value="${student.roll_no}"></sql:param>
              <sql:param value="${d}"></sql:param>
            </sql:update>
          </c:forEach>
        <sql:update dataSource="${db}">
            insert into attendance_2 values(?,?,0,0,0);
            <sql:param value="${param.scode}"></sql:param>
            <sql:param value="${d}"></sql:param>
        </sql:update>
      </c:if>

    <c:choose>
      <c:when test="${param.attend_type=='theory'}">
        <sql:update dataSource="${db}">
```

```
            update attendance_2 set theory_conduct=theory_conduct+? where Date=? and
subject_id=?;
              <sql:param value="${param.num_class}"></sql:param>
              <sql:param value="${d}"></sql:param>
              <sql:param value="${param.scode}"></sql:param>
          </sql:update>
          <c:forEach var="prsnt_stu" items="${paramValues.attend}">
            <sql:update dataSource="${db}">
              update attendance_1 set theory_attend=theory_attend+? where student_id=? and
date=? and subject_id=?;
                <sql:param value="${param.num_class}"></sql:param>
                <sql:param value="${prsnt_stu}"></sql:param>
                <sql:param value="${d}"></sql:param>
                <sql:param value="${param.scode}"></sql:param>
            </sql:update>
          </c:forEach>
        </c:when>
        <c:when test="${param.attend_type=='practical'}">
          <sql:update dataSource="${db}">
            update attendance_2 set prac_conduct=prac_conduct+? where Date=? and
subject_id=?;
              <sql:param value="${param.num_class}"></sql:param>
              <sql:param value="${d}"></sql:param>
              <sql:param value="${param.scode}"></sql:param>
          </sql:update>
          <c:forEach var="prsnt_stu" items="${paramValues.attend}">
            <sql:update dataSource="${db}">
              update attendance_1 set prac_attend=prac_attend+? where student_id=? and
subject_id=? and date=?;
                <sql:param value="${param.num_class}"></sql:param>
                <sql:param value="${prsnt_stu}"></sql:param>
                <sql:param value="${param.scode}"></sql:param>
                <sql:param value="${d}"></sql:param>
              </sql:update>
          </c:forEach>
        </c:when>
        <c:when test="${param.attend_type=='tut'}">
          <sql:update dataSource="${db}">
            update attendance_2 set tut_conduct=tut_conduct+? where Date=? and subject_id=?;
            <sql:param value="${param.num_class}"></sql:param>
            <sql:param value="${d}"></sql:param>
            <sql:param value="${param.scode}"></sql:param>

          </sql:update>
          <c:forEach var="prsnt_stu" items="${paramValues.attend}">
            <sql:update dataSource="${db}">
```

```
                update attendance_1 set tut_attend=tut_attend+? where student_id=? and
subject_id=? and date=?;
                    <sql:param value="${param.num_class}"></sql:param>
                    <sql:param value="${prsnt_stu}"></sql:param>
                    <sql:param value="${param.scode}"></sql:param>
                    <sql:param value="${d}"></sql:param>
                </sql:update>
            </c:forEach>
        </c:when>
    </c:choose>

    <body onload='attedn_sucess()'>
        <script type="text/javascript">
            function attedn_sucess()
            {
                alert("Attendance Marked Successfully !");
                document.myform.submit();
            }

        </script>
        <form action="faculty_home.jsp" name="myform">
            <input type="hidden" value="${param.user_id}" name="user_id"/>
            <input type="hidden" value="${param.password}" name="password"/>
        </form>

    </body>


</html>
```

## 4.8  student_home.jsp

```jsp
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>

<html>
  <head>
    <link rel="icon" type="image/gif" href="Favicon.ico" />
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Untitled Page</title>
  </head>
    <c:set var="d" value="<%= new java.sql.Date(System.currentTimeMillis()) %>"></c:set>
    <input type="hidden" value="${param.college}" name="college"/>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
                url="jdbc:mysql://localhost:3306/attendance" user="root"
password="amalik"></sql:setDataSource>
    <sql:query dataSource="${db}" var="result">
      select * from attendance_2 where Date=? and subject_id=?;
      <sql:param value="${d}"></sql:param>
      <sql:param value="${param.scode}"></sql:param>
    </sql:query>
       <c:if test="${result.rowCount==0}">
         <sql:query dataSource="${db}" var="stu_id">
            select roll_no,name from student,(select student_id from student_subject where
subject_id=? ) s where roll_no=s.student_id;
            <sql:param value="${param.scode}"></sql:param>
         </sql:query>
           <c:forEach var="student" items="${stu_id.rows}">
             <sql:update dataSource="${db}">
               insert into attendance_1 values(?,?,?,0,0,0);
               <sql:param value="${param.scode}"></sql:param>
               <sql:param value="${student.roll_no}"></sql:param>
               <sql:param value="${d}"></sql:param>
             </sql:update>
           </c:forEach>
        <sql:update dataSource="${db}">
            insert into attendance_2 values(?,?,0,0,0);
            <sql:param value="${param.scode}"></sql:param>
            <sql:param value="${d}"></sql:param>
        </sql:update>
       </c:if>

    <c:choose>
      <c:when test="${param.attend_type=='theory'}">
        <sql:update dataSource="${db}">
```

```
            update attendance_2 set theory_conduct=theory_conduct+? where Date=? and
subject_id=?;
               <sql:param value="${param.num_class}"></sql:param>
               <sql:param value="${d}"></sql:param>
               <sql:param value="${param.scode}"></sql:param>
          </sql:update>
          <c:forEach var="prsnt_stu" items="${paramValues.attend}">
            <sql:update dataSource="${db}">
               update attendance_1 set theory_attend=theory_attend+? where student_id=? and
date=? and subject_id=?;
                  <sql:param value="${param.num_class}"></sql:param>
                  <sql:param value="${prsnt_stu}"></sql:param>
                  <sql:param value="${d}"></sql:param>
                  <sql:param value="${param.scode}"></sql:param>
            </sql:update>
          </c:forEach>
        </c:when>
        <c:when test="${param.attend_type=='practical'}">
          <sql:update dataSource="${db}">
            update attendance_2 set prac_conduct=prac_conduct+? where Date=? and
subject_id=?;
               <sql:param value="${param.num_class}"></sql:param>
               <sql:param value="${d}"></sql:param>
               <sql:param value="${param.scode}"></sql:param>
          </sql:update>
          <c:forEach var="prsnt_stu" items="${paramValues.attend}">
            <sql:update dataSource="${db}">
               update attendance_1 set prac_attend=prac_attend+? where student_id=? and
subject_id=? and date=?;
                  <sql:param value="${param.num_class}"></sql:param>
                  <sql:param value="${prsnt_stu}"></sql:param>
                  <sql:param value="${param.scode}"></sql:param>
                  <sql:param value="${d}"></sql:param>
               </sql:update>
          </c:forEach>
        </c:when>
        <c:when test="${param.attend_type=='tut'}">
          <sql:update dataSource="${db}">
            update attendance_2 set tut_conduct=tut_conduct+? where Date=? and subject_id=?;
            <sql:param value="${param.num_class}"></sql:param>
            <sql:param value="${d}"></sql:param>
            <sql:param value="${param.scode}"></sql:param>

          </sql:update>
          <c:forEach var="prsnt_stu" items="${paramValues.attend}">
            <sql:update dataSource="${db}">
```

```
                update attendance_1 set tut_attend=tut_attend+? where student_id=? and
subject_id=? and date=?;
                <sql:param value="${param.num_class}"></sql:param>
                <sql:param value="${prsnt_stu}"></sql:param>
                <sql:param value="${param.scode}"></sql:param>
                <sql:param value="${d}"></sql:param>
            </sql:update>
          </c:forEach>
        </c:when>
     </c:choose>

  <body onload='attedn_sucess()'>
     <script type="text/javascript">
         function attedn_sucess()
         {
           alert("Attendance Marked Successfully !");
           document.myform.submit();
         }

     </script>
     <form action="faculty_home.jsp" name="myform">
        <input type="hidden" value="${param.user_id}" name="user_id"/>
        <input type="hidden" value="${param.password}" name="password"/>
     </form>

  </body>

</html>
```

## 4.9 summative_attendance.jsp

```jsp
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
  <head>
    <title>Summative Attendance</title>
    <link rel="stylesheet" type="text/css" href="css/styles.css">
    <link rel="icon" type="image/gif" href="Favicon.ico" />
  </head>
  <body>
    <form method="POST"  action="student_home.jsp">
    <h2>Summative Attendance</h2>

    <div style="padding:15px;margin-left:200px;margin-right:200px;">
    <table style="width:100%;border-spacing:10px">
      <tr>
        <td class="m1">Name:</td>
        <td class="m2"><c:out value="${param.stname}"></c:out></td>
        <td class="m1">Roll Number:</td>
        <td class="m2"><c:out value="${param.stroll_no}"></c:out></td>
      </tr>
      <tr>
        <td class="m1">Class:</td>
        <td class="m2"><c:out value="${param.stclass_name}"></c:out></td>
        <td class="m1">Semester:</td>
        <td class="m2"><c:out value="${param.stsemester}"></c:out></td>
      </tr>
      <tr>
        <td class="m1">Year of Admission:</td>
        <td class="m2"><c:out value="${param.styear_of_admission}"></c:out></td>


      </tr>
    </table>
        <c:set var="flag" value="1"></c:set>

    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
            url="jdbc:mysql://localhost:3306/attendance"
            user="root" password="amalik"></sql:setDataSource>

    <sql:query dataSource="${db}" var="result_1">
     select subject_id from student_subject where student_id=?;
     <sql:param value="${param.stroll_no}"></sql:param>
```

```
        </sql:query>

        <table style="background-color: #ecf0f1;border:0px;padding:10px;border-radius:10px;" >


        <c:forEach var="i" items="${result_1.rows}">

            <c:set var="subjectid" value="${i.subject_id}"></c:set>

            <sql:query dataSource="${db}" var="result_2">
                select sum(a1.tut_attend) as tua,sum(a1.prac_attend) as pa,sum(a1.theory_attend) as
tha,sum(a2.tut_conduct) as tuc,sum(a2.theory_conduct) as thc,sum(a2.prac_conduct) as pc from
((attendance_1 a1 JOIN attendance_2 a2 on a1.subject_id=a2.subject_id and a1.date=a2.date))
where student_id=? and a1.subject_id=? ;
                <sql:param value="${param.stroll_no}"></sql:param>
                <sql:param value="${subjectid}"></sql:param>

        </sql:query>


        <sql:query dataSource="${db}" var="result_3">
            select name from subject where subject_id=?;
        <sql:param value="${subjectid}"></sql:param>
        </sql:query>


        <c:forEach var="j" items="${result_3.rows}">
            <c:set var="subjectname" value="${j.name}"></c:set>
         </c:forEach>


         <c:forEach var="row" items="${result_2.rows}">
          <c:set var="tut_attend" value="${row.tua}"></c:set>
          <c:set var="prac_attend" value="${row.pa}"></c:set>
          <c:set var="theory_attend" value="${row.tha}"></c:set>
          <c:set var="tut_conduct" value="${row.tuc}"></c:set>
          <c:set var="theory_conduct" value="${row.thc}"></c:set>
          <c:set var="prac_conduct" value="${row.pc}"></c:set>
         </c:forEach>

        <c:if test="${flag==1}">


                <tr style="border:0px; border-radius:5px;margin-bottom:20px;">
                <th align="left" style="width:500px;">Subject</th>
```

```
                <th align="center" style="width:250px;">Theory Attendance</th>
                <th align="center" style="width:250px;">Practical Attendance</th>
                <th align="center" style="width:250px;">Tutorial Attendance</th>
                <th align="center" style="width:250px;">Total</th>

                <c:set var="flag" value="0"></c:set>

            </tr>
        </c:if>
          <tr>
                <td style="background-color: pink;text-align: center;"class="m2"><c:out
value="${subjectname}"></c:out></td>
                <td style="text-align: center;"class="m2"><c:out
value="${theory_attend}"></c:out>/<c:out value="${theory_conduct}"></c:out></td>
                <td style="text-align: center;"class="m2"><c:out
value="${prac_attend}"></c:out>/<c:out value="${prac_conduct}"></c:out></td>
                <td style="text-align: center;"class="m2"><c:out
value="${tut_attend}"></c:out>/<c:out value="${tut_conduct}"></c:out></td>

                <c:choose>
                    <c:when test="${tut_conduct+theory_conduct+prac_conduct==0}">
                    <td style="background-color: burlywood;text-align: center;"class="m2">Not
Applicable</td>
                    </c:when>
                    <c:otherwise>
                    <td style="background-color: burlywood;text-align: center;"class="m2"><c:out
value="${(((theory_attend+prac_attend+tut_attend)*100)div(theory_conduct+prac_conduct+tut_
conduct)) }"></c:out>%</td>
                    </c:otherwise>
                </c:choose>
        </tr>




    </c:forEach>
     </table>


    <input type="hidden" value="${param.college}" name="college"/>
   </div>
        <br>

   </form>
    <form action="student_home.jsp" method="POST">
```

```html
            <input style="width: 225px;height :30px;" class="mybutton" type="Submit"
value="Back" >
            <input type="hidden" value="${param.user_id}" name="user_id"/>
            <input type="hidden" value="${param.password}" name="password"/>
            </form>
        </body>
</html>
```

## 4.10 take_attendance.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core"%>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql"%>
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="css/styles.css"/>
    <title>Take Attendance</title>
    <link rel="icon" type="image/gif" href="Favicon.ico" />
  </head>
  <body>
    <h2 style="margin-top:20px;">List of Students</h2>
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
                url="jdbc:mysql://localhost:3306/attendance" user="root"
password="amalik"></sql:setDataSource>
    <sql:query dataSource="${db}" var="result">
       select roll_no,name from student,(select student_id from student_subject where
subject_id=? ) s where roll_no=s.student_id;
       <sql:param value="${param.subject}"></sql:param>
    </sql:query>
      <form action="report.jsp" method="GET" class="login">
       <c:choose>


            <c:when test="${result.rowCount== 0}">
             <div>
                <p style="text-align:center;font-size:18px;">No Students</p>
             </div>

             </c:when>

             <c:otherwise>
          <div style="padding:15px;margin-left:200px;margin-right:200px">



          <table style="background-color: #ecf0f1;border:0px;padding:10px;border-
radius:10px" align="center">
              <tr style="border:0px ;border-radius:5px;margin-bottom:20px">
                <th>Roll Number</th>
                <th>Student Name</th>
                <th>Present/Absent</th>
              </tr>
```

```html
            <c:forEach var="rs" items="${result.rows}">
               <tr>
                  <td class="m2"><c:out value="${rs.roll_no}"></c:out></td>
                  <td class="m2"style="width:850px;"><c:out
value="${rs.name}"></c:out></td>
                  <td class="m2"align="center"><input type="checkbox" name="attend"
value="${rs.roll_no}"/></td>
               </tr>
            </c:forEach>
         </table>
            <br><br>
         <input type="hidden" name="scode" value="${param.subject}"/>
         <input type="hidden" name="attend_type" value="${param.attendance_type}"/>
         <input type="hidden" name="num_class" value="${param.num_class}"/>
         <input type="submit" value="Mark Attendance" style="text-align:center;font-
size:18px;width:450px;height: 38px;border-radius:10px;background-
color:tomato;color:white;border:0px;font-size:18px" class="btn btn-block btn-primary"/>
         <input type="hidden" value="${param.college}" name="college"/>
         <input type="hidden" value="${param.user_id}" name="user_id"/>
         <input type="hidden" value="${param.password}" name="password"/>
         </div>

         </c:otherwise>

      </c:choose>
      </form>

   <form action="faculty_home.jsp">

      <input type="hidden" value="${param.user_id}" name="user_id"/>
      <input type="hidden" value="${param.password}" name="password"/>

      <input style="width: 225px;height :30px;" class="mybutton" type="Submit"
value="Back" >

   </form>




      </body>
</html>
```

## 4.11 view_attendance.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@taglib prefix="c" uri="http://java.sun.com/jsp/jstl/core" %>
<%@taglib prefix="sql" uri="http://java.sun.com/jsp/jstl/sql" %>
<%@page import="java.sql.*" %>
<!DOCTYPE html>
<html>
  <head>
    <link rel="stylesheet" type="text/css" href="css/styles.css"/>
    <link rel="icon" type="image/gif" href="Favicon.ico"/>
    <title>View Attendance</title>
  </head>
  <body>
  <h2 style="margin-top:20px;">Details</h2>

    <div style="padding:15px;margin-left:200px;margin-right:200px;">
            <table style="width:100%;border-spacing:10px">



                <tr>
                  <td class="m1">Faculty:</td>
                  <td class="m2"><c:out value="${param.tname}"></c:out></td>
                  <td class="m1">Date:</td>
                  <td class="m2"><c:out value="${param.date}"></c:out></td>


                </tr>

                <tr>

                  <td class="m1">Subject:</td>
                  <td class="m2"><c:out value="${param.subject}"></c:out></td>
                  <td class="m1">Attendance Type:</td>
                  <td class="m2"><c:out value='<%=
request.getParameter("attendance_type").toUpperCase() %>'></c:out></td>

                </tr>

                </table>
                </div>
```

```jsp
    <sql:setDataSource var="db" driver="com.mysql.jdbc.Driver"
url="jdbc:mysql://localhost:3306/attendance"
                 user="root" password="amalik"></sql:setDataSource>
    <c:choose>




    <c:when test="${param.attendance_type=='theory'}">
    <sql:query dataSource="${db}" var="rs">
      select theory_conduct from attendance_2 where  Date=? and Subject_id=?;
      <sql:param value="${param.date}"></sql:param>
      <sql:param value="${param.subject}"></sql:param>
    </sql:query>
      <c:choose>
        <c:when test="${rs.rowCount== 0}">
          <div>
              <p style="text-align:center;font-size:18px;">No Class Conducted</p>
          </div>
        </c:when>
        <c:otherwise>
    <c:forEach var="row" items="${rs.rows}">
      <c:set var="total" value="${row.theory_conduct}"></c:set>
    </c:forEach>
     <sql:query dataSource="${db}" var="rs1">
       select Roll_no,Name,theory_attend from attendance_1,student where
Roll_no=Student_id and Date=? and Subject_id=?;
       <sql:param value="${param.date}"></sql:param>
       <sql:param value="${param.subject}"></sql:param>
     </sql:query>
       <h2 style="margin-top:20px;">List of Students</h2>


       <div style="padding:15px;margin-left:200px;margin-right:200px">

        <table style="background-color: #ecf0f1;border:0px;padding:10px;border-
radius:10px" align="center">
            <tr style="border:0px ;border-radius:5px;margin-bottom:20px">
              <th>Roll Number</th>
              <th>Student Name</th>
              <th>Attendance(<c:out value="${total}"></c:out>)</th>
```

```
                    </tr>
                      <c:forEach var="row1" items="${rs1.rows}">
                       <tr>
                          <td class="m2"><c:out value="${row1.Roll_no}"></c:out></td>
                          <td class="m2"style="width:850px;"><c:out
value="${row1.Name}"></c:out></td>
                             <td class="m2"align="center"><c:out
value="${row1.theory_attend}"></c:out></td>
                       </tr>
                    </c:forEach>
                 </table>
                    <br><br>

                 </div>

              </c:otherwise>
           </c:choose>
          </c:when>
```

```
          <c:when test="${param.attendance_type=='practical'}">
               <sql:query dataSource="${db}" var="rs">
          select prac_conduct from attendance_2 where  Date=? and Subject_id=?;
          <sql:param value="${param.date}"></sql:param>
          <sql:param value="${param.subject}"></sql:param>
        </sql:query>

          <c:choose>
            <c:when test="${rs.rowCount== 0}">
              <div>
                  <p style="text-align:center;font-size:18px;">No Class Conducted</p>
               </div>
            </c:when>
            <c:otherwise>
     <c:forEach var="row" items="${rs.rows}">
       <c:set var="total" value="${row.prac_conduct}"></c:set>
```

```html
        </c:forEach>
    <sql:query dataSource="${db}" var="rs1">
        select Roll_no,Name,prac_attend from attendance_1,student where Roll_no=Student_id
and Date=? and Subject_id=?;
        <sql:param value="${param.date}"></sql:param>
        <sql:param value="${param.subject}"></sql:param>
    </sql:query>
        <h2 style="margin-top:20px;">List of Students</h2>


        <div style="padding:15px;margin-left:200px;margin-right:200px">

          <table style="background-color: #ecf0f1;border:0px;padding:10px;border-
radius:10px" align="center">
            <tr style="border:0px ;border-radius:5px;margin-bottom:20px">
              <th>Roll Number</th>
              <th>Student Name</th>
              <th>Attendance(<c:out value="${total}"></c:out>)</th>
            </tr>
            <c:forEach var="row1" items="${rs1.rows}">
            <tr>
                <td class="m2"><c:out value="${row1.Roll_no}"></c:out></td>
                <td class="m2"style="width:850px;"><c:out
value="${row1.Name}"></c:out></td>
                <td class="m2"align="center"><c:out
value="${row1.prac_attend}"></c:out></td>
            </tr>
            </c:forEach>
          </table>
            <br><br>

          </div>

        </c:otherwise>
      </c:choose>
        </c:when>
```

```
<c:when test="${param.attendance_type=='tut'}">
    <sql:query dataSource="${db}" var="rs">
select tut_conduct from attendance_2 where  Date=? and Subject_id=?;
    <sql:param value="${param.date}"></sql:param>
    <sql:param value="${param.subject}"></sql:param>
 </sql:query>
    <c:choose>
       <c:when test="${rs.rowCount== 0}">
          <div>
              <p style="text-align:center;font-size:18px;">No Class Conducted</p>
           </div>
        </c:when>
        <c:otherwise>
    <c:forEach var="row" items="${rs.rows}">
      <c:set var="total" value="${row.tut_conduct}"></c:set>
   </c:forEach>
    <sql:query dataSource="${db}" var="rs1">
       select Roll_no,Name,tut_attend from attendance_1,student where Roll_no=Student_id
and Date=? and Subject_id=?;
       <sql:param value="${param.date}"></sql:param>
       <sql:param value="${param.subject}"></sql:param>
    </sql:query>
       <h2 style="margin-top:20px;">List of Students</h2>


       <div style="padding:15px;margin-left:200px;margin-right:200px">

          <table style="background-color: #ecf0f1;border:0px;padding:10px;border-
radius:10px" align="center">
             <tr style="border:0px ;border-radius:5px;margin-bottom:20px">
               <th>Roll Number</th>
               <th>Student Name</th>
               <th>Attendance(<c:out value="${total}"></c:out>)</th>
             </tr>
              <c:forEach var="row1" items="${rs1.rows}">
              <tr>
                 <td class="m2"><c:out value="${row1.Roll_no}"></c:out></td>
                 <td class="m2"style="width:850px;"><c:out
value="${row1.Name}"></c:out></td>
                   <td class="m2"align="center"><c:out
value="${row1.tut_attend}"></c:out></td>
               </tr>
```

```
                    </c:forEach>
                 </table>
                    <br><br>

                 </div>

              </c:otherwise>
           </c:choose>
             </c:when>




           </c:choose>



         <form action="faculty_home.jsp">
            <br>
            <input style="width: 225px;height :30px;" class="mybutton" type="submit"
value="Back"/>
              <input type="hidden" name="user_id" value="${param.user_id}"/>
            <input type="hidden" name="password" value="${param.password}"/>
          </form>
      </body>
</html>
```

## 4.12 styles.css

```css
h2{

  background-color: #34495e ;
    color:#ecf0f1;


 }
 body{
    background: #2c3e50;
   font-family: sans-serif;
 text-align:center;
 }
 div{
   border:0px solid white;
     border-radius:20px;
     background-color: #ecf0f1;

        }

      th.my{
      text-align:center;
        padding:5px;
        font-size:17px;
    border:0px;
    border-radius: 5px;
    background-color:whitesmoke;


      }

     td.m2{
    text-align:left;
        padding:5px;
        font-size:17px;
    border:0px;
    background-color: white;
    border-radius:5px;

      }
      td.m1{
        text-align:left;
        font-size:17px;
```

```css
        }
input.mybutton{

   font-size: 18px;
   color: white;
   border:0px;
   background-color:  #1bc6a4;
   border-radius: 5px;
 }
input.mybutton2{
   font-size:18px;
   border:0px;
   background-color: white;
   border-radius: 5px;
}
```

# 5. References

- https://www.w3schools.com

- https://stackoverflow.com

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- JavaServer Pages,3$^{rd}$ Edition by Hans Bergsten

- Web Enabled Commercial Application Development Using Html,Dhtml,javascript,Perl,CGI,By Ivan Byross,BPB Publications,2009