

A Mini – Project report on
FACULTY PERFORMANCE ANALYSIS
In partial fulfillment for the award of the degree of
BACHELOR OF TECHNOLOGY
IN
COMPUTER SCIENCE AND ENGINEERING

Submitted by

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BONA FIDE CERTIFICATE

This is to certify that the project work entitled **“FACULTY PERFORMANCE ANALYSIS”** is the bona fide work of **SATHVIK TADI, GANESH TEKEM** with **Regd. No 20B91A05T8, 20B91A05U2** Who carried out the project work under my supervision in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology in Computer Science and Engineering.

SUPERVISOR

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Dr. V. Chandra Sekhar
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ABSTRACT

Faculty Feedback is a Test Management Software, which offers a complete solution for Computer Based Feedbacks of any Faculty Member .They are used to set up multiple choice options for set of questions that when submitted are automatically compiled and the results generated is logged beside the faculty's reference number.

FEATURES

- Administrator login.
- Student login.
- Scope to analyse the faculty performance based on student's feedback.
- Scope to add a new teacher through register page.
- Display of result in the form of bar graph, number of feedbacks given, and all feedbacks given any of the faculty.

WHAT IMPACT DOES IT HAVE?

- Physical presence at a given location is absolutely not necessary for the teacher.
- No time is spent on evaluation.
- Results are available instantly.
- The feedback given is recorded at the server and the teacher cannot manipulate the same.
- Trends of the examination including topic wise trends of each subject can be easily obtained if required.
- The major goal of this mini project is to ensure that students receive a high-quality education from faculty. The results of this faculty performance analysis are presented in such a way that faculty can become more effective in their teaching.
- The most effective way of teaching is to communicate with one another.

INTRODUCTION

PURPOSE

- The purpose of on-line feedback form simulator is to take online feedback in an efficient manner and no wastage of paper and time for evaluating the result for particular feedback.

The main objective of on-line feedback is to efficiently evaluate the teacher thoroughly through a fully automated system that not only saves lot of time but also gives fast results on the bases of result given by the students.

- For students they fill feedback according to their convenience and time and there is no need of using extra things like paper, pen etc.

SCOPE

Scope of this project is very broad in terms of other manually things.

Few of them are:-

- This can be used in educational institutions as well as in corporate world for evaluating what students think about a particular faculty.
- According to that the faculty can mould himself for the better learning of students.
- Online attendance of students can also be implemented, and student counselling registers can also be maintained.

FEATURES:

- Secure
- Easy to use
- Reliable and accurate
- No need of paperwork

OVERVIEW

The online test created for taking online test has following stages

- Login
- Form Filling
- Result

LOGIN:-

- There is a quality login window because this is more secure than other login forms as in a normal login window there are multiple logins available so that more than one person can access to forms with their individual login.
- It includes three login windows one for administrator, one for faculty and another one for student.

FORM FILLING:

- It consists of one main page
 - Feedback page is the most creative and important page in this project.
 - Filling the form according to the user's wish.
 - Calculating the faculty average performance on bases of certain rules and regulation.

TECHNOLOGIES USED

- Java (JDK)
- Java (JRE)
- Eclipse IDE
- MySQL
- HTML and CSS Styles
- Web Browser
- JSP
- JavaScript

SOURCE CODE

Homepage.html

```
<!DOCTYPE html>
<html>
<head> <meta charset="ISO-8859-1">
<title>Feedback form</title>
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/min.css"></html>
</head>
<body>
<header>
<div class="marquee">
<p>Feedback is the bridge to effectively connect lesson-learned from the past to future performance and
potential. </p>
</header>
</div>
<nav>
<ul>
<li id='one'><a href="http://localhost:8085/myproj/stdsignin.jsp">STUDENTLOGIN</a><br><br></li>
<li id='one'><a href="http://localhost:8085/myproj/teacherlgn.jsp">TEACHERLOGIN</a><br></li>
<li><a href="http://localhost:8085/myproj/adminlgn.jsp">ADMINISTRATOR LOGIN</a><br><br></li>
</ul>
</nav>
<div class="container">
<div id="column1" class="card" >

</div>
<div class="box-shadow col-6 card" id="column2" ><ul width=50%>
<li class="one"><font color=rgb(13, 125, 115)><p class="normal">Why
you need to provide Feedback???</font></li><br>
<br>
<li class="one"><font color=rgb(44, 65, 213);><p2>Links back to the goals and objectives of the
learning</p2></font></li><br><br>
<li class="one"><font color=rgb(44, 65, 213);><p3>Makes it clear how the knowledge will transfer to
the learner's day-to-day life and role</p3></font></li><br><br>
<li class="one"><p4><font color=rgb(44, 65, 213);>Focuses on actions and behaviours that the learner
has power over</p4></font></li><br><br>
<li class="one"><font color=rgb(44, 65, 213);><p5>Encourages social sharing and collaborative
learning</p5></font></li>
</ul>
</div>
</div>
</body>
</html>
```

Adminlogin.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<title>Admin login</title>
<meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
<link href="https://fonts.googleapis.com/css?family=Lato:300,400,700&display=swap" rel="stylesheet">
```

```

<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/fontawesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="stylesheet.css">
</head>
<body class="img js-fullheight" style="background-image: url(images/bg.jpg);">
    <section class="fco-section">
        <div class="container">
            <div class="row justify-content-center">
                <div class="col-md-6 text-center mb-5">
                    <h2 class="heading-section">AdministratorLogin</h2>
                </div>
            </div>
            <div class="row justify-content-center">
                <div class="col-md-6 col-lg-4">
                    <div class="login-wrap p-0">
                        <h3 class="mb-4 text-center">Login with admin code only</h3>
                        <form action="admindb.jsp" class="signin-form" method="post">
                            <div class="form-group">
                                <input type="text" name="admincode" class="form-control" placeholder="Admincode" required>
                            </div>
                            <div class="form-group">
                                <input id="password-field" name="PASSWORD" type="password" class="form-control" placeholder="Password" required>
                                <span toggle="#password-field" class="fa fa-fw fa-eye field-icon toggle-password"></span>
                            </div>
                            <div class="form-group">
                                <button type="submit" class="form-control btn btn-primary submit px-3">Sign In</button>
                            </div>
                            <div class="form-group d-md-flex">
                                <div class="w-50">
                                    <label class="checkbox-wrap checkbox-primary">Remember Me
                                        <input type="checkbox" checked>
                                        <span class="checkmark"></span>
                                    </label>
                                </div>
                                <div class="w-50 text-md-right">
                                    <a href="#" style="color: #fff">Forgot Password</a>
                                </div>
                            </div>
                        </form>
                    </div>
                </div>
            </div>
        </section>
        <script src="js/jquery.min.js"></script>
        <script src="js/popper.js"></script>
        <script src="js/bootstrap.min.js"></script>
        <script src="js/main.js"></script>
    </body>
</html>

```

Adminhome.jsp

```

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

```

```

<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
<meta name="viewport"
      content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"></script>
<title>Insert title here</title>
</head>
<body>
<div class="container">
  <div class="card" id="column1"><a href="tchr1chart.jsp"></a>
<h2>Teacher1</h2></div>
  <div class="card" id="column2"><a href="tchr2chart.jsp"></a><h2>Teacher2</h2></div>
  <div class="card" id="column3"><a href="tchr3chart.jsp"></a><h2>Teacher3</h2></div>
  <div class="card" id="column4"><a href="tchr4chart.jsp"></a><h2>Teacher 4</h2></div>
</div>

  <div class="card-body">
    <h4 class="card-title">Administrator </h4>

    <p class="card-text">
      By clicking on the each teacher you can view the performance of each teacher.<br>
      for this academic year
    </p>

    <a href="#" class="btn btn-primary">
      logout
    </a>
  </div>
</div>
</div>
</body>
</html>

```

Studentsignin.jsp

```

<%@ page language="java" contentType="text/html; charset=ISO-8859-1" pageEncoding="ISO-8859-1"%><!DOCTYPE html><html>
<head>
<script>
username = document.querySelector('input[name="username"]:checked');
if (username === null) {
window.alert("username required!");
username.focus();
return false;
password = document.querySelector('input[name="password"]:checked');
if (password === null) {
window.alert("password required!");
password.focus();
return false;
}
</script>
<meta charset="ISO-8859-1">

```



```

<title>Signin</title>
<style>
  body
  {
    background-size: cover;
    background-attachment: fixed;
    color: black;
    background-image: url("2.jpg");
  }
  input[type=text],[type=password]
  {
    width: 100%;
    padding: 12px 20px;
    display: inline-block;
    border: 1px solid #ccc;
    border-radius: 4px;
    box-sizing: border-box;
  }
  h1{
    text-align: "center";}

  div
  {
    border-radius: 3px;
    background-color: #f2f2f2;
    padding: 20px;
    float: left;
    width: 100%;
  }
  .buttons
  {
    border-radius: 4px;
    color: white;
    font-family: calibri;
    background-color: #1a73e8;
    font-size: 14pt;
    border: none;
    width: 100%;
  }
</style>
</head>
<body>
  <marquee><h1>Feedback is a gift.Ideas are the currency of our next success.</h1></marquee>
  <br><br>
  
  <table align="center">
    <h1 align="center">Login</h1>
    <tr><td><div>
      <form action="stdl.jsp" method="post">
        <p>Registration number</p>
        <input type="text" name="username" placeholder="enter registration number">
        <p>Password</p>
        <input type="password" name="PASSWORD" placeholder="enter password">
        <br><br>
        <button class="buttons" >SIGN IN</button></form>
      </td>
    </tr>
  </table>
</body>
</html>

```

Teacherreport.jsp

```
<% @ page language="java" contentType="text/html; charset=ISO-8859-1"
    pageEncoding="ISO-8859-1" %>
<% @ page import="java.util.*" %>
<% @ page import="java.sql.*" %>
<% @ page import="com.google.gson.Gson" %>
<% @ page import="com.google.gson.JsonObject" %>
<%
Gson gsonObj = new Gson();
Map<Object,Object> map = null;
List<Map<Object,Object>> list = new ArrayList<Map<Object,Object>>();
String dataPoints = null;
try{
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection connection=
DriverManager.getConnection("jdbc:mysql://localhost:3306/stdfeedback","root","Tekkem@#$12*");
    Statement statement= connection.createStatement();
    int xVal;
    int yVal;
    int a=0;

    ResultSet resultSet = statement.executeQuery("select
username,sno1+sno2+sno3+sno4+sno5+sno6+sno7+sno8+sno9+sno10 as value1 from teacher1");
    while(resultSet.next()){
        a=a+1;
        xVal = resultSet.getInt("username");
        yVal = resultSet.getInt("value1");
        map = new HashMap<Object,Object>();
        map.put("x",xVal);
        map.put("y",yVal);
        map.put("label","student" +a);
        list.add(map);
        dataPoints = gsonObj.toJson(list).
    }

    connection.close();
}
catch(Exception e){
    out.println(e);
    dataPoints = null;
}
%>
<!DOCTYPE HTML>
<html>
<head>
<style>
body{
background-color: lightpink;
}
p.round1{
border: 2px solid Black;
border-radius: 5px;}
</style>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<script type="text/JavaScript">
window.onload = function() {
<% if(dataPoints != null) { %>
```

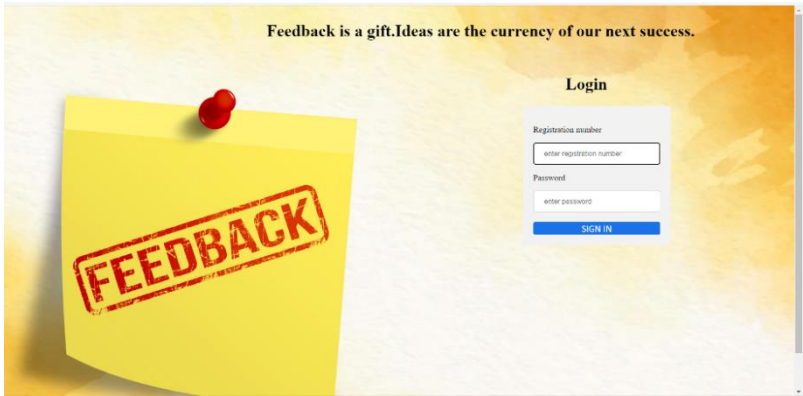
```

var chart = new CanvasJS.Chart("chartContainer", {
    axisY: {
        title: "Rating given to teachers",
        titleFontFamily: "comic sans ms" },
    axisX: {
        title: "Number of Students submitted their response",
        titleFontFamily: "comic sans ms"
    },
    animationEnabled: true,
    exportEnabled: true,
    title: {
        text: "Faculty Performance"
    },
    data: [{
        type: "column", //change type to bar, line, area, pie, etc
        dataPoints: <%out.print(dataPoints);%>}}]);

chart.render();
<% } %>
};
</script>
</head>
<body>
<div id="chartContainer" style="height:300px; width:100%;"></div>
<script src="https://canvasjs.com/assets/script/canvasjs.min.js">
</script>
<p class="round1"><h2>the above bar chart represents the performance of the faculty for this academic
year</h2></p>
</body>
</html>

```

SNAPSHOTS



You are Sucessfully logged out...

[Go-Back To Home Page](#)

Administrator Login

Login with admin code only

SIGN IN

☒ Remember Me [Forgot Password](#)

6. **Diagnose**

- ☐ Strongly disagree
- ☐ Disagree
- ☒ 5. was effective in locating the class
- ☐ Somewhat agree
- ☐ Agree
- ☐ Strongly disagree
- ☐ Disagree

6. **was receptive to students questions**

- ☐ Strongly agree
- ☐ Agree
- ☐ Somewhat disagree
- ☐ Disagree

7. **stimulated interest in the subject**

- ☐ Strongly agree
- ☐ Agree
- ☐ Somewhat disagree
- ☐ Disagree

8. **stimulated discussion on the subject**

- ☐ Somewhat agree
- ☐ Agree
- ☐ Somewhat disagree
- ☐ Disagree

9. **encouraged me to think and learn**

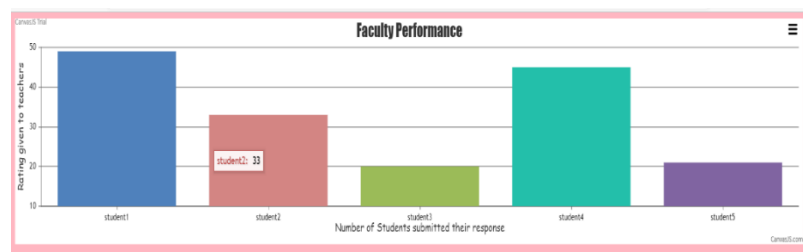
- ☐ Strongly agree
- ☐ Agree
- ☐ Somewhat disagree
- ☐ Disagree

10. **Does the teacher had a good rapport with the class?**

- ☐ Strongly agree

11. **Please select one of these options**

- ☐ disagree



the above bar chart represents the performance of the faculty for this academic year

CONCLUSION

The Online Feedback is developed using Eclipse and MySQL fully meets the objectives of the system for which it has been developed. The system is operated at a high level of efficiency and all the teachers, students and the Institute associated with the system understand its advantage. The system solves the problem. It was intended to solve as requirement specification.

FUTURE SCOPE

There have been numerous cases of computer glitches, errors in content, and security lapses reported in Faculty Feedback From. So in the near future the so –called software could be made more secure and reliable. While electronic glitches are rare, they have been known to occur, for instance when computer crashes voided the efforts of hundreds of student. There are also cases in which the correction software has corrupted scores. So, the software can be programmed well so as to avoid corrupted scores.