

A PROJECT REPORT ON
ONLINE RELIABLE
STUDENT FEEDBACK SYSTEM

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1. Introduction

The objective of reliable student feedback system is to provide efficient feedback to the college head. By using this technology we can make efficient feedback. The faculty performance is calculated on the basis of three parameters

- Student feedback
- Result of student
- Attendance of the Student
- Profile of the faculty

1.1 Purpose

In a general Student feedback system the feedback is taken from the students and without any further processing of the average feedback given by the students it will be considered as the final feedback through which the efficiency of a faculty is estimated but this may not be Accurate. If the feedback given by each student is considered along with his performance in the respective semester, the input feedback can be processed accordingly to give a better result. **Data mining** is being used to process the input data. Classification techniques are being used in majority.

1.2 Scope

The scope of the student feedback system is upto the college level where the higher authority can get a genuine idea of the faculty, from this system which is based on the feedback given by student and student's performance and attendance.

Students, Faculty and the Admin (Head of the department or College) can use this system for the better improvement in assessing the skills of Faculty.

1.3 Appendix

- PHP: Hypertext pre-processor
- HTML: Hypertext Mark-up Language
- SQL: Structured Query Language
- RFS: Reliable feedback System

2. Software Requirement Analysis:

2.1 Define the Problem:

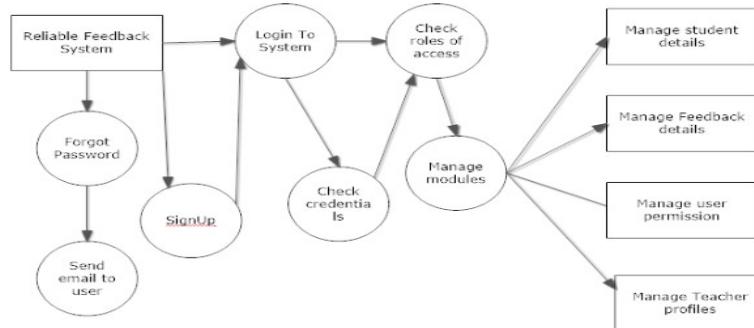


Fig 2.1: Data Flow Diagram

2.2 Explanation of Modules and their Functionality :

The Reliable student feedback system is a website in which home page will have the following options

- **Home** : Home button is placed in the nave bar to quickly dive back to home page from any page
- **About Us**: It gives information about the college and even some important things the events, result notifications will included in this page
- **Login** : Through this the user can login.

User can be

- Student
- Faculty
- Admin (head of the department)
- Data mining on the feedback given by Students

2.2.1 Student Module:

- Student have to register to login into the system. To register he have to enter the credentials in the sign up page. The credentials will be stored in a database
- If student have already registered he can login entering the correct credentials. The credentials are checked by retrieving the previously stored data from the data base.
- If Student forgets the password he can go to Forgot password option through which he will get a mail that allows him to change the password

- After logging in he will be redirected to home page where he will have options to
 - View the result and attendance of the student.
 - Give feedback to Teachers
- Student can log out of the page by clicking on log out button that will lead to home page of our website.

2.2.2 Faculty Module:

- From the home page Faculty can login with the credentials provided while registering.
- If he is a new user he can register through sign up page provided and login.
- After logging in faculty page will be opened, that will have the following options
 - View the faculty profile.
 - Enter the attendance of students.
 - View the processed feedback given by students and comments given by the head of the department.
 - Log out button will take to the home page.

2.2.3 Admin Module:

- Admin can login in a similar way as faculty login.
- Admin can register and login where admin page will be opened providing the following features
 - View the profile
 - View feedback of the lecturers in his department and give comments to the faculty
 - A log out option facilitates the admin to log out of the admin page

2.2.4 Data mining on the feedback:

- Every educational institution has a feedback system where in our institute opens the feedback portal at the end of semester. However a database of individual feedbacks does not provide a reliable review on the faculty.
- Reliable System Feedback System along with student feedback , considers faculty profile, each of the student's attendance and marks and then generates an overall feedback for the faculty. R programming is used to do data mining on the feedback
- The data mining techniques will be done by admin using classification techniques.

3. Software and Hardware Functional Requirements

3.1 User Interface:

User Interface is the front end application view to which user interacts

The 3 modules student module

Faculty module

Admin module

mentioned above come under the user interface.

3.2 Software Interface:

- My SQL
- R Studio
- Xampp
- PHP
- HTML
- CSS
- Bootstrap
- Text Editor (EX: Sublime Text)

3.3 Hardware Interface:

Since we are using Local host to run the system, the specifications of the system over which we are running the system will be the hardware properties which includes 8 GB RAM, 2.5GHZ processor

If it has to be implemented over internet all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN – LAN, Ethernet Cross-Cable.

4. Non functional Requirements

4.1 Reliability:

The name of the system is itself a reliable student feedback system, this system helps the organisation to generate a genuine feedback for the faculty in an efficient way. As far as the techniques are considered C50 algorithm is used.

4.2 Performance:

Checking the fact that the system must perform as what every user expects .So in every action-response of the system, there are no immediate delays. In case of opening windows forms, of popping error messages and saving the settings or sessions there is delay much below 2 seconds, In case of opening databases, sorting questions and computing there are no delays and the operation is performed in less than 2 seconds for opening,sorting,computing> 95% of the files. Also when connecting to the server the delay is based on the distance of the 2 systems and the configuration between them so there is high probability that there will be or not a successful connection in less than 20 seconds.

4.3 Security and Privacy:

In this system , security is provided for the database where MD5 algorithm is used to encrypt and decrypt the passwords. Students can't access the data base which should only be accessed by faculty. Security will be provided to the login system where user can even get a mail to change his password which is maintained in a most secure way.

4.4 Operational Requirements:

- Application Services and Technical support**

Programmers and application developers will have access to source code to address bugs or system enhancements as deemed necessary. Network Administrator and DBA support is also required to maintain a 24x7 system uptime.

- Administration Features**

System security and access levels are provided in the online system. There are varying levels of system access and functional authority. Each student's access is limited to his/her own registration records. Only authorized system administrator(s) has access to all student registration records.

4.5 Communication Interface:

Setting up the server into server mode requires that there will be open ports for accepting connections from the clients. The connection between the client and the server uses Connection-oriented communication,via TCP/IP—Transfer Control Protocol/Internet Protocol, implements reliable delivery of messages. Connection-oriented communication makes

programming easier because the protocol includes mechanisms for detecting and handling errors and an acknowledgment mechanism between client and service.

5. Software Design

5.1 Class Diagram

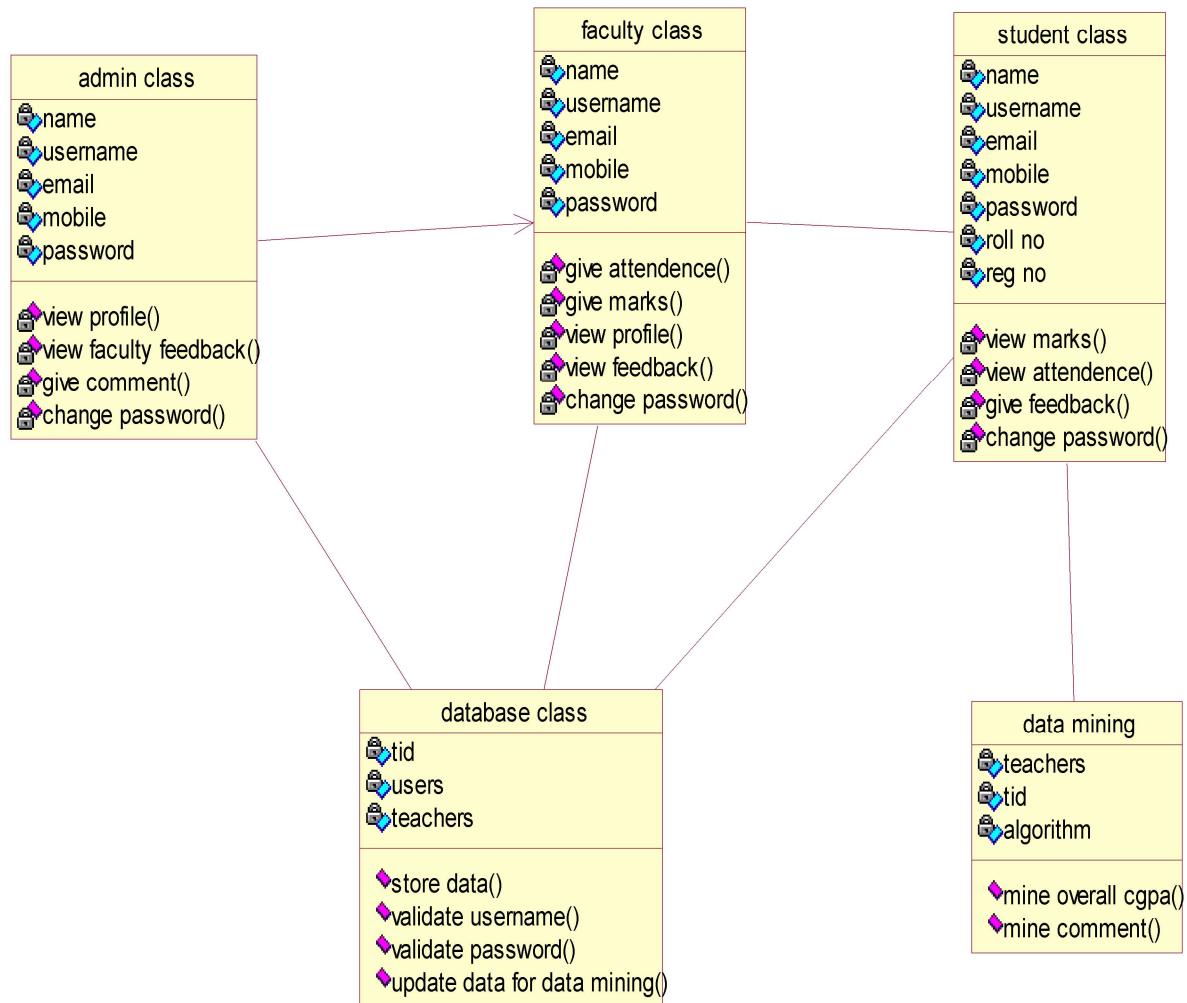


Fig 5.1: class diagram of the feedback system

5.2 Use Case diagram



Fig 5.2: Use case for the feedback system

5.3 Sequence Diagram

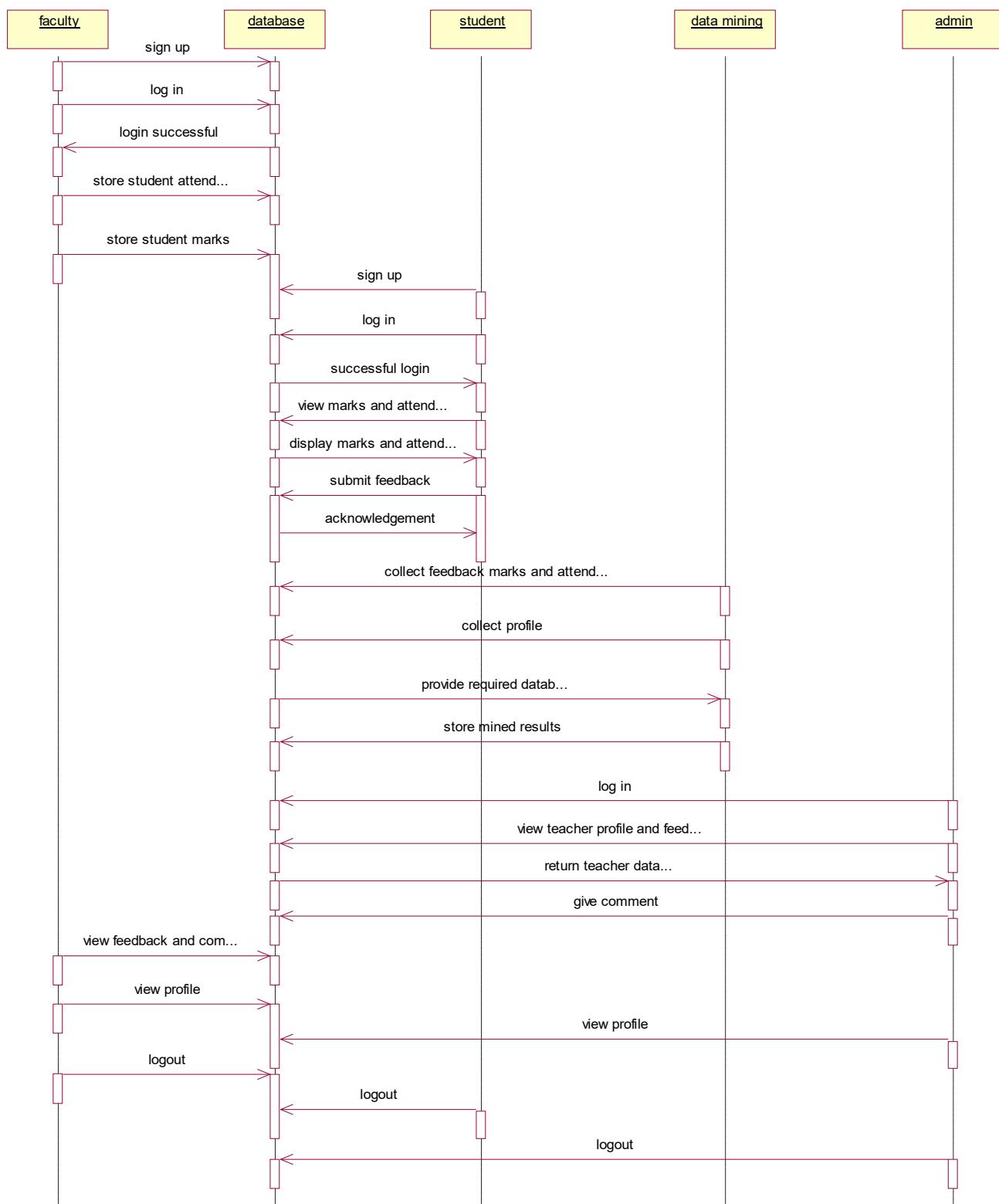


Fig5.3:Sequence of feedback system

5.4 Collaboration Diagram

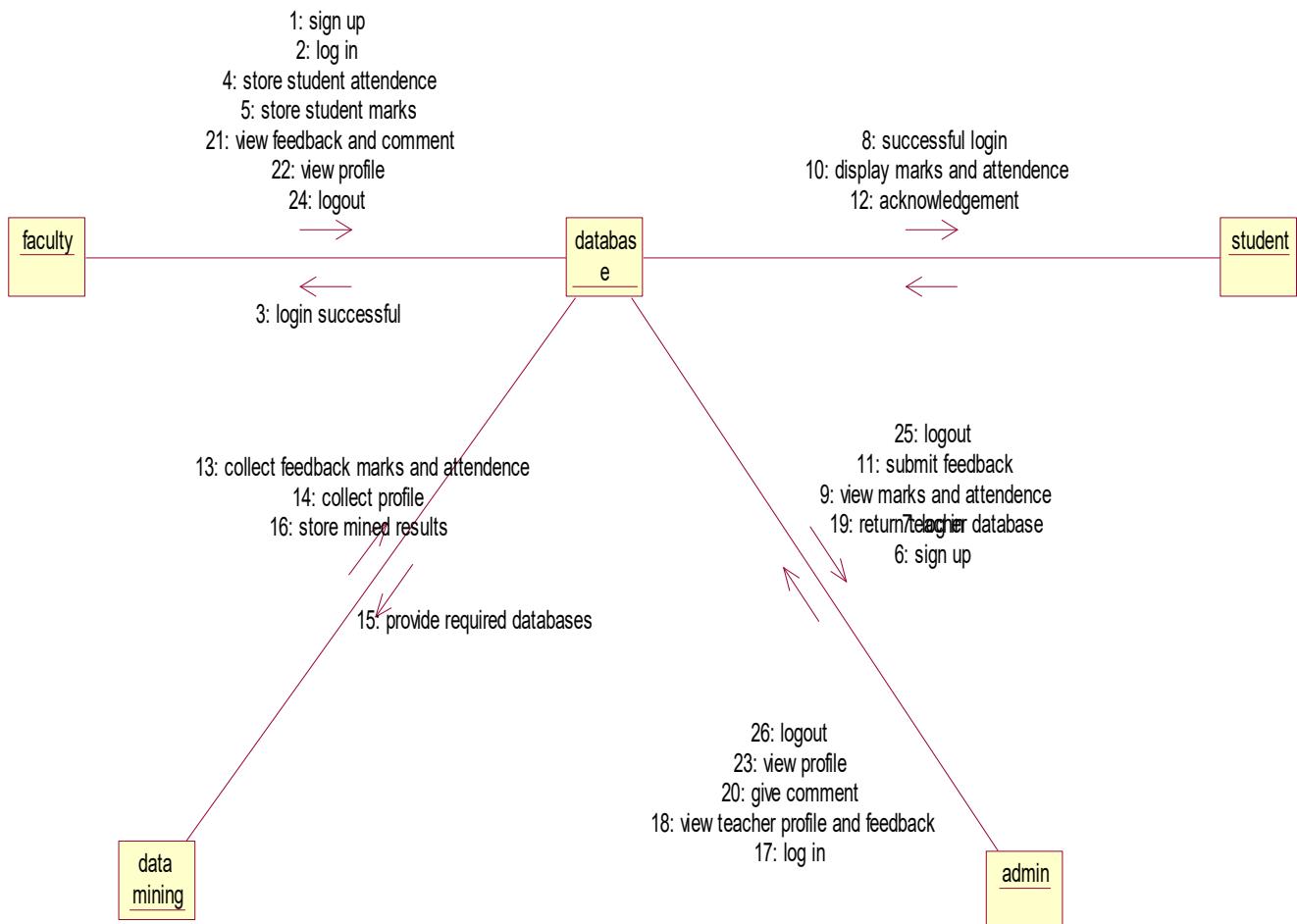


Fig5.4: collaboration diagram for the feedback system

5.5 Activity Diagram

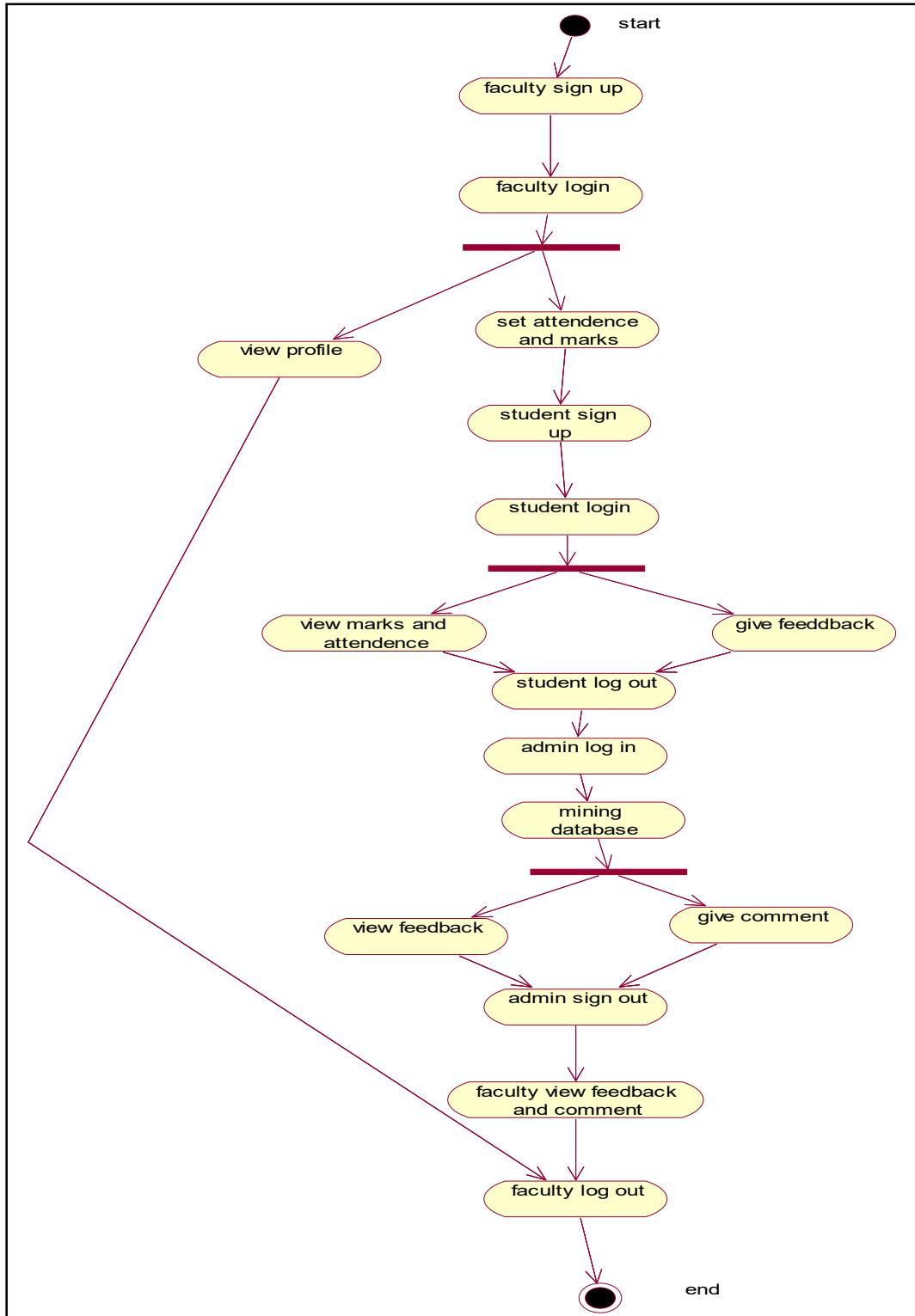


Fig 5.5: Activity diagram for the feedback System

5.6 State Chart

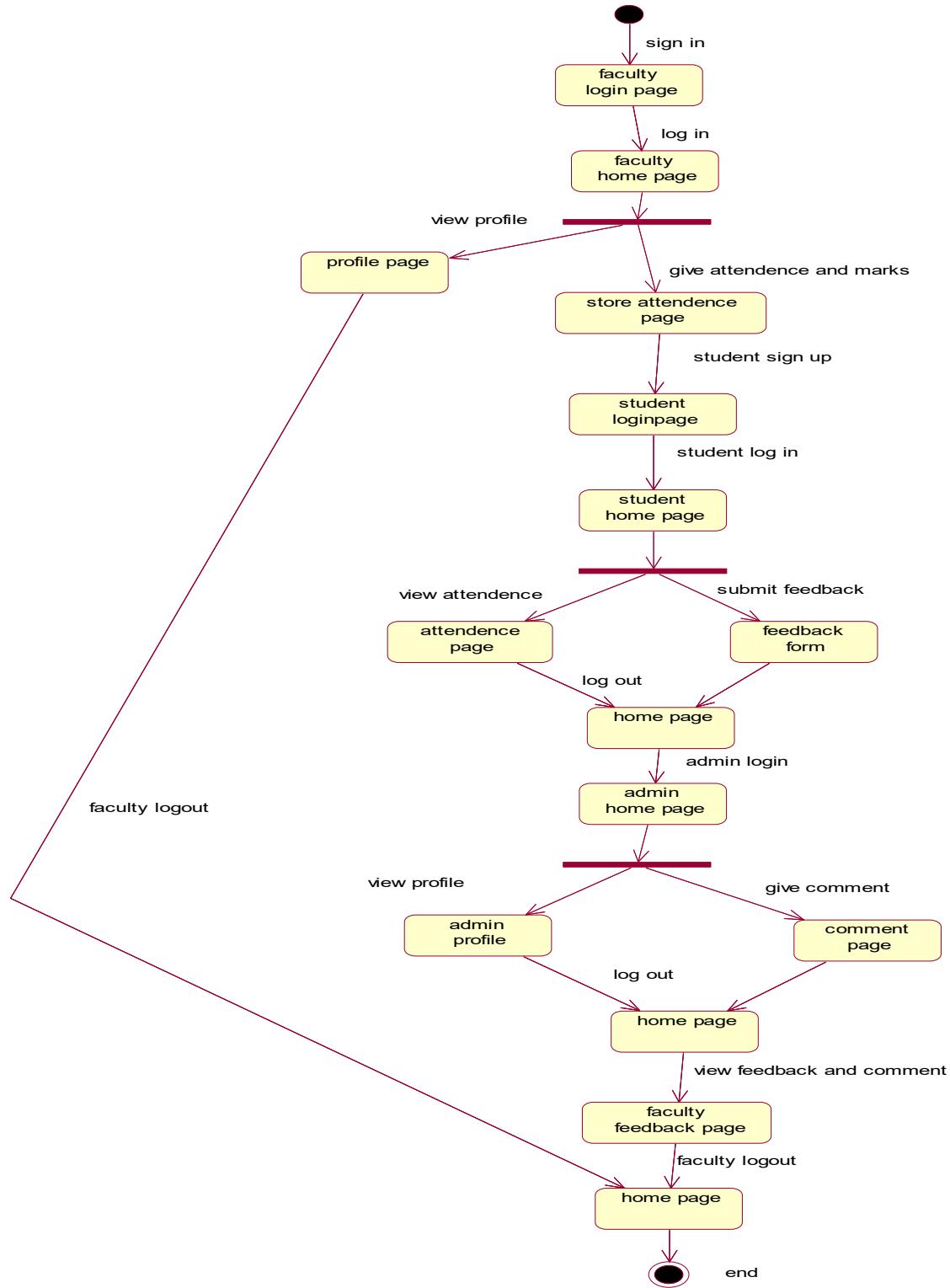


Fig 5.6: state chart for the feedback system

5.7 Component Diagram

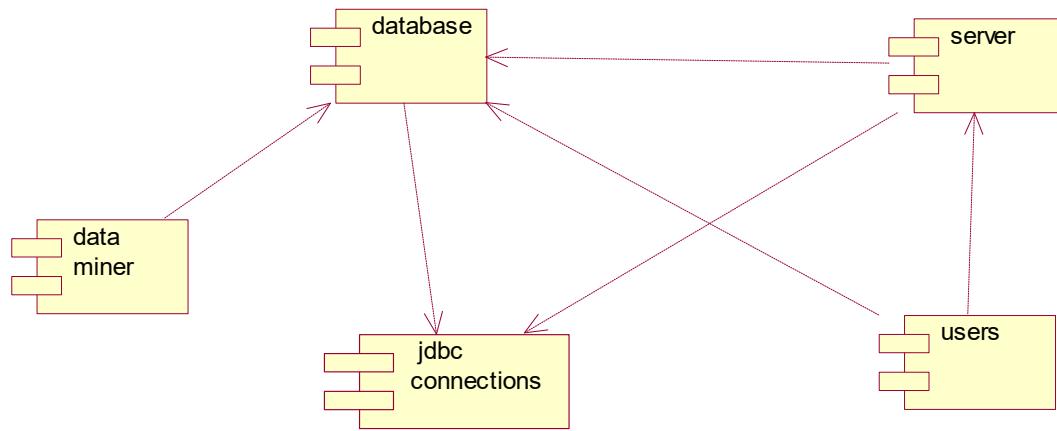


Fig 5.7:component diagram for the feedback system

5.8 Deployment Diagram

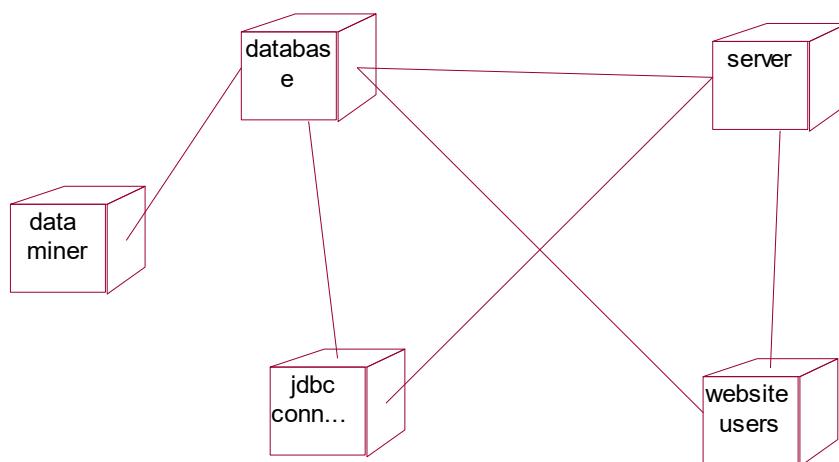


Fig 5.8: deployment diagram for the feedback system

6.Coding

Data Mining code

```
#install.packages("C50")
library(C50)
library(caret)
library(foreign)
library(xlsx)
train<-read.arff("C://Users//Admin//Desktop//se//seproject//mining//traint2.arff")
test<-read.arff("C://Users//Admin//Desktop//se//seproject//mining//testt1.arff")
#validate<-read.arff("C://Users//Admin//Desktop//se//seproject//mining//validate.arff")
head(train)
class(train)
train_label<-train[,34]
test_label<-test[,34]
validate_label<-validate[,34]
train<-train[,-1]
test<-test[,-1]
validate<-validate[,-1]
model<-C50::C5.0(train,train_label,trials=10)
summary(model)
p<-predict(model,test,type="class")
confusionMatrix(table(c,test_label))
write.xlsx(p,"C://Users//Admin//Desktop//se//seproject//mining//result.xlsx" , sheetName =
"Sheet2",col.names = TRUE, row.names = TRUE, append = FALSE)
#c<-predict(model,validate,type="class")
data<-read.csv("C://Users//Admin//Desktop//se//seproject//mining//teacher.csv",header=TRUE)
train1<-data[1:151,2:9]
train_label1<-data[1:151,10]
test1<-data[152,2:9]
model<-C50::C5.0(train1,train_label1,trials=10)
summary(model)
p<-predict(model,test1,type="class")
```

comment.php

```
?php
session_start();
?>
<?php
$comment = $_POST['comment'];
$link = mysqli_connect("localhost", "root", "");
mysqli_select_db($link,"se project");
$comment = stripslashes($comment);
$comment = mysqli_real_escape_string($link,$comment);
$tid=$_SESSION['tida'];
if(!empty('$comment'))
{
    $result=mysqli_query($link,"update teacher set comment='$comment' where Tid='$tid'");
    or die("failed to query database ".mysqli_error($link));
    // echo $row['Tid'];
    header("LOCATION: admin1.php");
}
else
{
    header("LOCATION: process_feedbacka.php");
}
?>
```

Conform.php(to reset password)

```
<?php

$passworderr=$cpassworderr="";
$error=0;
$password=$cpassword="";
$link = mysqli_connect("localhost", "root", "");
mysqli_select_db($link,"se project");

if($_SERVER["REQUEST_METHOD"] == "POST") {
if(empty($_POST["password"]))
{
    $passworderr= "Password required";
}
else
{
    $password = test_input($_POST["password"]);
if((strlen($_POST["password"]))>6)
{
    $passworderr= "Password should be exactly 6 digits";
}
if((strlen($_POST["password"]))<6)
{
    $passworderr= "Password should be exactly 6 digits";
}
}
if(empty($_POST["cpassword"]))
{
    $cpassworderr= "Conform Password required";
}
else
{
    $cpassword = test_input($_POST["cpassword"]);
```

```
if($cpassword != $password)
{
    $cpassworderr= "Not same as password";
}
}

$e=$_POST["email"];
if($passworderr==""&&$cpassworderr=="")
{
$query = "UPDATE users set password='$password'where email='$e' ";
if(mysqli_query($link,$query))
{ echo "you have successfully changed" ;
}
else{ die ("failed to query database 4".mysqli_error($link));}
mysqli_close($link);
}

function test_input($data) {
$data = trim($data);
$data = stripslashes($data);
$data = htmlspecialchars($data);
return $data;
}

?>
```

Process_feedbackform.php

```
<?php
session_start();
?>

<?php
//include 'process_feedback.php';
if($_SERVER["REQUEST_METHOD"] == "POST"){
$rating1=$_POST['rating1'];
$rating2=$_POST['rating2'];
```

```
$rating3=$_POST['rating3'];
$rating4=$_POST['rating4'];
$rating5=$_POST['rating5'];
$rating6=$_POST['rating6'];
$rating7=$_POST['rating7'];
$rating8=$_POST['rating8'];
$rating9=$_POST['rating9'];
$rating10=$_POST['rating10'];
$rating11=$_POST['rating11'];
$rating12=$_POST['rating12'];
$rating13=$_POST['rating13'];
$rating14=$_POST['rating14'];
$rating15=$_POST['rating15'];
$rating16=$_POST['rating16'];
$rating17=$_POST['rating17'];
$rating18=$_POST['rating18'];
$rating19=$_POST['rating19'];
$rating20=$_POST['rating20'];
$rating21=$_POST['rating21'];
$rating22=$_POST['rating22'];
$rating23=$_POST['rating23'];
$rating24=$_POST['rating24'];
$rating25=$_POST['rating25'];
$rating26=$_POST['rating26'];
$rating27=$_POST['rating27'];
$rating28=$_POST['rating28'];
$rating29=$_POST['rating29'];
$rating30=$_POST['rating30'];
$tid=$_SESSION['tidf'];
$rollno=$_SESSION['rollnof'];

echo"$rating1";
$link = mysqli_connect("localhost", "root", "");
mysqli_select_db($link,"se project");
```

```
$res=mysqli_query($link,"select * from $tid where sid='$rollno'")  
or die("failed to query database ".mysqli_error($link));  
$row = mysqli_fetch_array($res);  
  
if(empty('$rating1') || empty('$rating2') ||empty('$rating3') ||empty('$rating4') ||empty('$rating5')  
||empty('$rating6') ||empty('$rating7') ||empty('$rating8') ||empty('$rating9') ||empty('$rating10')  
||empty('$rating11') ||empty('$rating12') ||empty('$rating13') ||empty('$rating14') ||empty('$rating15')  
||empty('$rating16') ||empty('$rating17') ||empty('$rating18') ||empty('$rating19') ||empty('$rating20')  
||empty('$rating21') ||empty('$rating22') ||empty('$rating23') ||empty('$rating24') ||empty('$rating25')  
||empty('$rating26') ||empty('$rating27') ||empty('$rating28') ||empty('$rating29') ||empty('$rating30'))  
{echo "all questions are compulsory";  
    //header("LOCATION: student1.php");  
echo "<script>setTimeout(\"location.href =  
'http://localhost/se%20project/student1.php';\",1500);</script>";  
}  
if($row['sid']===$rollno&& $row['Q1']!=NULL){echo "feedback given";}  
else if(!$row)  
{  
$result=mysqli_query($link,"insert into  
$tid(sid,Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8,Q9,Q10,Q11,Q12,Q13,Q14,Q15,Q16,Q17,Q18,Q19,Q20,Q21,Q22,Q  
23,Q24,Q25,Q26,Q27,Q28,Q29,Q30) values  
('$rollno','$rating1','$rating2','$rating3','$rating4','$rating5','$rating6','$rating7','$rating8','$rating9','$rating1  
0','$rating11','$rating12','$rating13','$rating14','$rating15','$rating16','$rating17','$rating18','$rating19','$rating  
20','$rating21','$rating22','$rating23','$rating24','$rating25','$rating26','$rating27','$rating28','$rating29','$rating  
30') ")  
or die("failed to query database ".mysqli_error($link));  
if($result){  
    //echo "feedback registered";  
echo "<script>setTimeout(\"location.href =  
'http://localhost/se%20project/student1.php';\",1500);</script>";  
    header("LOCATION: student1.php");  
}  
else
```

```

{$result=mysqli_query($link,"insert into
$tid(Q1,Q2,Q3,Q4,Q5,Q6,Q7,Q8,Q9,Q10,Q11,Q12,Q13,Q14,Q15,Q16,Q17,Q18,Q19,Q20,Q21,Q22,Q23,
Q24,Q25,Q26,Q27,Q28,Q29,Q30) values
('$rating1','$rating2','$rating3','$rating4','$rating5','$rating6','$rating7','$rating8','$rating9','$rating10','$rating11',
'$rating12','$rating13','$rating14','$rating15','$rating16','$rating17','$rating18','$rating19','$rating20','$rating21',
'$rating22','$rating23','$rating24','$rating25','$rating26','$rating27','$rating28','$rating29','$rating30
') where sid='$rollno")}

or die("failed to query database ".mysqli_error($link));

//echo "feedback registered";

//echo "<script>setTimeout(\"location.href =
'<http://localhost/se%20project/student.php'\",1500);</script>";

header("LOCATION: student1.php");

} }

```

Process_signup.php

```

<?php

$nameerr=$emailerr=$phoneerr=$regnumerr=$rollnoerr=$usererr=$passworderr=$cpassworderr="";
$error=0;

$name=$email=$username=$regnum=$rollno=$mobile=$password=$cpassword="";
$link = mysqli_connect("localhost", "root", "");

mysqli_select_db($link,"se project");

if($_SERVER["REQUEST_METHOD"] == "POST") {

if(empty($_POST["name"]))
{
    $nameerr = "Name is required";
}

$error=1;

}

```

```
else

{   $name = test_input($_POST["name"]);

    // check if name only contains letters and whitespace

if (!preg_match("/^([a-zA-Z ])*$/",$name))

{

    $nameerr = "Only letters and white space allowed";

$error=1;

}

}

if (empty($_POST["email"])) {

    $emailerr = "Email is required";

}

else {

    $email = test_input($_POST["email"]);

    // check if e-mail address is well-formed

if (!filter_var($email, FILTER_VALIDATE_EMAIL)) {

    $emailerr = "Invalid email format";

}

}

if (empty($_POST["username"]))

{   $usererr = "Username is required"; }

else

{   $name = test_input($_POST["username"]);}
```

```
// check if name only contains letters and whitespace

if (!preg_match("/^[st0-9]*$/",$username))

{
    $usererr = "id or Registration no is only allowed";
}

if((strlen($_POST["username"]))>6)

{
    $usererr= "username should be less than 6 characters";
}

}

if(!empty($_POST["regnum"]))

$regnum = test_input($_POST["regnum"]);

if ((!preg_match("/^0-9]*$/,$regnum)))

{
    $regnumerr= "Only numbers are allowed";
}

if((strlen($_POST["regnum"]))!=5)

{
    $regnumerr= "enter valid registration number";
}

}

if(!empty($_POST["rollno"]))

$rollno = test_input($_POST["rollno"]);

if ((!preg_match("/^0-9]*$/,$rollno)))

{
    $rollnoerr= "Only numbers are allowed";
}

if((strlen($_POST["rollno"]))!=4)
```

```
{      $rollnoerr= "enter valid roll number";    } }

if(empty($_POST["password"]))

{  $passworderr= "Password required";

}

else

{  $password = test_input($_POST["password"]);

if(strlen($_POST["password"]))>6

{

$passworderr= "Password should be maximum 6 digits";

}

}

if(empty($_POST["cpassword"]))

{  $cpassworderr= "Conform Password required";

}

else

{  $cpassword = test_input($_POST["cpassword"]);

if($cpassword != $password)

{

$cpassworderr= "Not same as password";

}

}

if(empty($_POST["mobile"]))

{  $phoneerr= "mobile number is required";

}

else
```

```
{    $mobile = test_input($_POST["mobile"]);

if ((!preg_match("/^[\d]{10}/", $mobile)))
{
    $phoneerr= "Only numbers are allowed";
}

if((strlen($_POST["mobile"]))!=10)
{
    $phoneerr= "mobile number should be a 10 digit number";
}

}

if($nameerr=="" && $emailerr=="" && $phoneerr=="" && $regnumerr=="" && $rollnoerr=="" && $usererr=="" && $passworderr=="" && $cpassword==""){

$result = mysqli_query($link,"select * from users where email = '$email' ")

or die("failed to query database1 ".mysqli_error($link));

$row = mysqli_fetch_array($result);

if($row)

{$emailerr = "email already registered";

}

$result = mysqli_query($link,"select * from users where username = '$username' ")

or die("failed to query database2 ".mysqli_error($link));

$row = mysqli_fetch_array($result);

if($row)

{$usererr = "username already exists";}

$result = mysqli_query($link,"select * from users where regnum = '$regnum' ")

or die("failed to query database3 ".mysqli_error($link));
```

```
$row = mysqli_fetch_array($result);

if($row)

{$regnumerr = "registration number already registered";}

if($emailerr==""&&$usererr==""&&$regnumerr==""){

$query = "INSERT INTO users (name,email,username,regnum,rollno,mobile,password) VALUES
('{$name}','{$email}','{$username}',{$regnum},{$rollno},{$mobile}, '{$password}')";

if(mysqli_query($link,$query))

{ echo "you have successfully registered" ;

echo "<script>setTimeout(\"location.href =
'http://localhost/se%20project/firstpage.php';\",1500);</script>";}

else{ die ("failed to query database 4".mysqli_error($link));}

mysqli_close($link);

} }

else{echo "enter all details";

// echo "<script>setTimeout(\"location.href =
'http://localhost/se%20project/signup.php';\",1500);</script>";

}

function test_input($data) {

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

?>
```

7. Testing

7.1 Unit Testing

Unit Testing is performed by using the **White Box Testing** method. A unit is the smallest testable part of software. It usually has one or a few inputs and usually a single output. In procedural programming a unit may be an individual program, function, procedure, etc. In object-oriented programming, the smallest unit is a method, which may belong to a base/ super class, abstract class or derived/ child class. (Some treat a module of an application as a unit).

7.2 Integration Testing

7.2.1 White Box Testing

White-box testing (also known as **clear box testing**, **glass box testing**, **transparent box testing**, and **structural testing**) is a method of testing software that tests internal structures or workings of an application, as opposed to its functionality (i.e. black box testing). In white-box testing an internal perspective of the system, as well as programming skills, are used to design test cases.

7.2.2 Black Box Testing

Black-box testing is a method of software testing that examines the functionality of an application without peering into its internal structures or workings. This method of test can be applied virtually to every level of software testing: unit, integration, system and acceptance. It is sometimes referred to as specification-based testing.

7.3 System Testing

7.3.1 Alpha Testing

Alpha Testing is a type of testing conducted by a team of highly skilled testers at development site whereas Beta Testing is done by customers or end users at their own site. For Alpha Testing there is a dedicated test team, this is not the case with Beta Testing.

7.3.2 Beta Testing

Since Beta Testing is done by end users therefore it is also known as field testing. Both Alpha Testing and Beta Testing are also known as user acceptance testing (UAT) and the only difference here is former testing is conducted onsite but the latter testing is conducted offshore.

All the above mentioned testing techniques together gave the following test cases

7.3.Test Cases

Test cases for Student Module

test case id	Module	Test scenario	Test case steps	description of test case(test data)	expected value	actual value	Result
T001	Student	1.sign up	1.enter name	contain only space and alphabets	should contain only space and alphabet	as expected	Pass
			2.enter email	format:hello@yahoo.com	proper email format ex: hii@gmail.com	as expected	Pass
			3.enter username	format: s1104	username same as rollno ex: s1104	as expected	Pass
			4.enter registration number	format : 95104	enter valid reg no. ex:95104	as expected	Pass
			5.enter roll number	format :1104	enter valid roll no ex: 1104	as expected	Pass
			6.enter mobile no	start with 7,8,9 ,contain 10 digits	shoul be a 10 digit number	as expected	Pass
			7.enter password	6 in length,all symbols allowed	length must be equal to 6	as expected	Pass
			8.conform password	same as password	not same as password given	as expected	Pass
			9.click submit	post into database	you have successfully registered	as expected	Pass
	2.log in	1.enter user name	format: s1104, must be present in database	username does not exist	as expected	Pass	
		2.enetr password	max 6 in length, match with database	wrong password	as expected	Pass	
		3.click submit		student homepage	as expected	Pass	
	3.view marks and attendanc	1.enetr student rollno	format :1104, exist in database	roll no does not exist	as expected	Pass	

	e					
		2.enter teacher id	format: t251, exist in database	teacher id does not exist	as expected	Pass
		3.click submit		attendance page displayed	as expected	Pass
	4.give feedback	1.enter roll no	should not exist in table already	feedback already registered	as expected	Pass
		2.enter tid	format: t251	enter valid teacher id	as expected	Pass
		3.submit feedback		your feedback has been submitted!!Thank you	as expected	Pass
	5.forgot password	1.enter username	check if exists in database	username does not exist	as expected	Pass
		2.enter email	check if same as in database	email not matched!! Sorry!!	as expected	Pass
		3.done		mail password change link	as expected	Pass

Test Cases for faculty module:

test case id	module	test scenario	test case steps	description of test case(test data)	expected value	actual value	Result
T002	faculty	1.sign up	1.enter name	contain only space and alphabets	should contain only space and alphabet	as expected	Pass
			2.enter email	format:hello@yahoo.com	proper email format ex:hii@gmail.com	as expected	Pass
			3.enter username	format: t251,max 4 in length	username same as id Ex:t251	as expected	Pass
			6.enter mobile no	start with 7,8,9 ,contain 10 digits	shoul be a 10 digit number	as expected	Pass
			7.enter password	6 in length,all symbols allowed	length must be equal to 6	as expected	Pass
			8.conform password	same as password	not same as password given	as expected	Pass

		9.click submit	post into database	you have successfully registered	as expected	Pass
	2.log in	1.enter user name	format: t251, must be present in database	username does not exist	as expected	Pass
		2.enetr password	max 6 in length, match with database	wrong password	as expected	Pass
		3.click submit		faculty homepage	as expected	pass
	3.enter attendance	1.enter teacher id	format: t251, exist in database	teacher id does not exist	as expected	Pass
		2.enter student rollno	format :1104, exist in database	roll no does not exist	as expected	Pass
		3.click submit		enter attendance page displayed for next i/p	as expected	Pass
	4. view feedback	1.enter teacher id	format :251, check if feedback given	invalid id ex:251	as expected	Pass
		2.submit		display mined results	as expected	Pass
	5.forgot password	1.enter username	check if exists in database	username does not exist	as expected	Pass
		2.enter email	check if same as in database	email not matched!! Sorry!!	as expected	Pass
		3.done		mail password change link	as expected	Pass

Test cases for Admin:

test case id	module	test scenario	test case steps	description of test case(test data)	expected value	actual value	Result
T003	admin	1.sign up	1.enter name	contain only space and alphabets	should contain only space and alphabet	as expected	Pass
			2.enter email	format:hello@yahoo.com	proper email format ex:hi@gmail.com	as expected	Pass
			3.enter username	max length 10	length exceeded(max:10)	as expected	Pass
			6.enter mobile no	start with 7,8,9 ,contain 10 digits	should be a 10 digit number	as expected	Pass
			7.enter password	6 in length,all symbols allowed	length must be equal to 6	as expected	Pass
			8.conform password	same as password	not same as password given	as expected	Pass
			9.click submit	post into database	you have successfully registered	as expected	Pass
		2.log in	1.enter user name	must be present in database	username does not exist	as expected	Pass
			2.enetr password	max 6 in length, match with database	wrong password	as expected	Pass
			3.click submit		admin homepage	as expected	Pass
		3. Comment	1.enter teacher id	format :251, check if feedback given	invalid id ex:251	as expected	Pass
			2.submit		admin homepage	as expected	Pass
		4.forgot password	1.enter username	check if exists in database	username does not exist	as expected	Pass
			2.enter email	check if same as in database	email not matched!! Sorry!!	as expected	Pass
			3.done		mail password change link	as expected	Pass

8.Screen shots of the Project

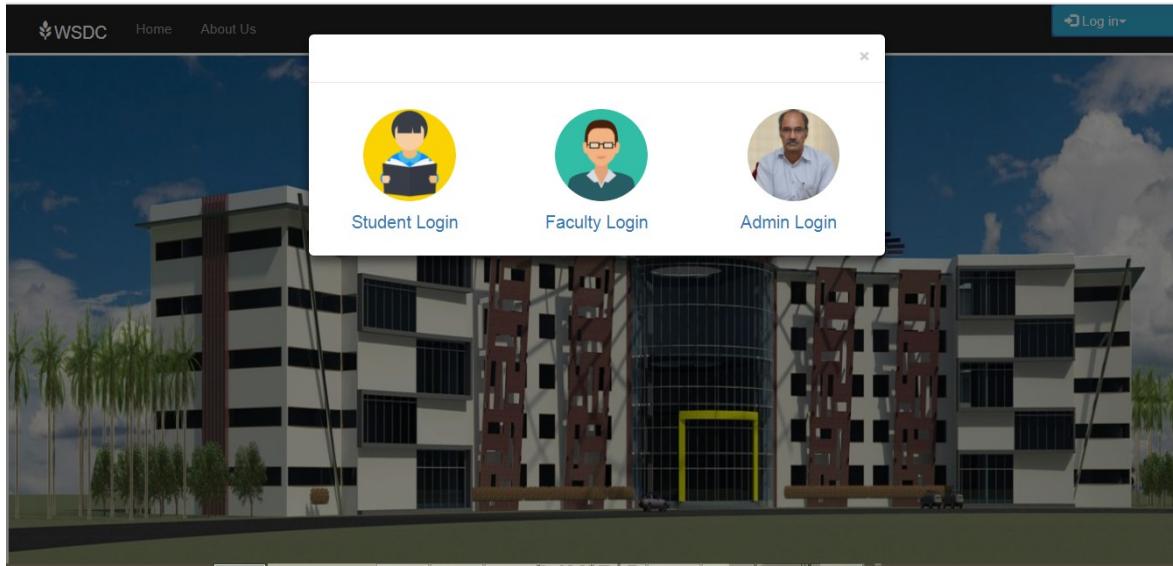


Fig 8.1: Home Page

A screenshot of the WSDC 'About Us' page. The top navigation bar includes the WSDC logo and 'Home' link. The main content features a large image of the NIT Warangal campus entrance gate under a blue sky. To the right of the image, there is a section titled 'About Us Page' with a purple background. This section contains two sub-sections: 'About the Institute' and 'Mentor Institute'. The 'About the Institute' section provides information about the establishment of NIT Andhra Pradesh. The 'Mentor Institute' section details the responsibilities of NIT Warangal as the mentor institution for NIT AP.

Fig 8.2: About Us

 WSDC

Name *	<input type="text" value="enter name"/>
Email *	<input type="text" value="enter email"/>
User name *	<input type="text" value="enter username"/>
Registration Number *	<input type="text" value="enter registered number at first year"/>
Roll NO *	<input type="text" value="enter roll number"/>
Mobile *	<input type="text" value="enter mobile"/>
Password *	<input type="text" value="enter password"/>
Confirm Password *	<input type="text" value="re-enter password"/>

[Create Account](#) [Clear](#)

Fig 8.3:Sign Up Page

 WSDC

Student Portal

WSDC Account	
Username	<input type="text" value="enter username"/>
Password	<input type="text" value="enter password"/>

[login](#) [refresh](#)

[Forgot Password?Click Here](#)

[Don't have an Account?](#)

[Sign UP](#)

[NIT Andhra Pradesh Portal](#)

Fig 8.4: Login Page

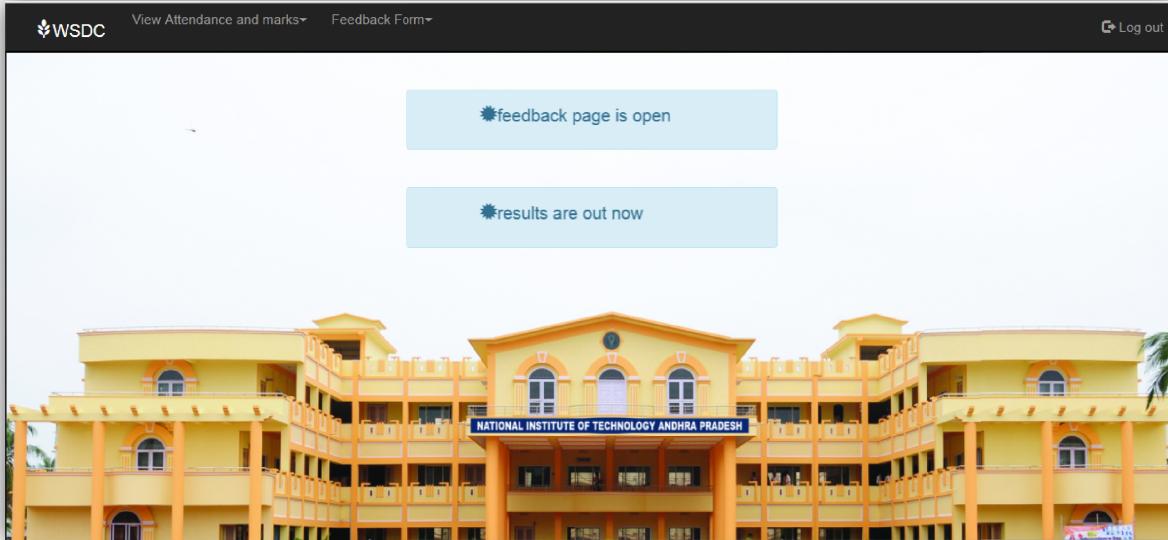


Fig 8.5:Student Homepage

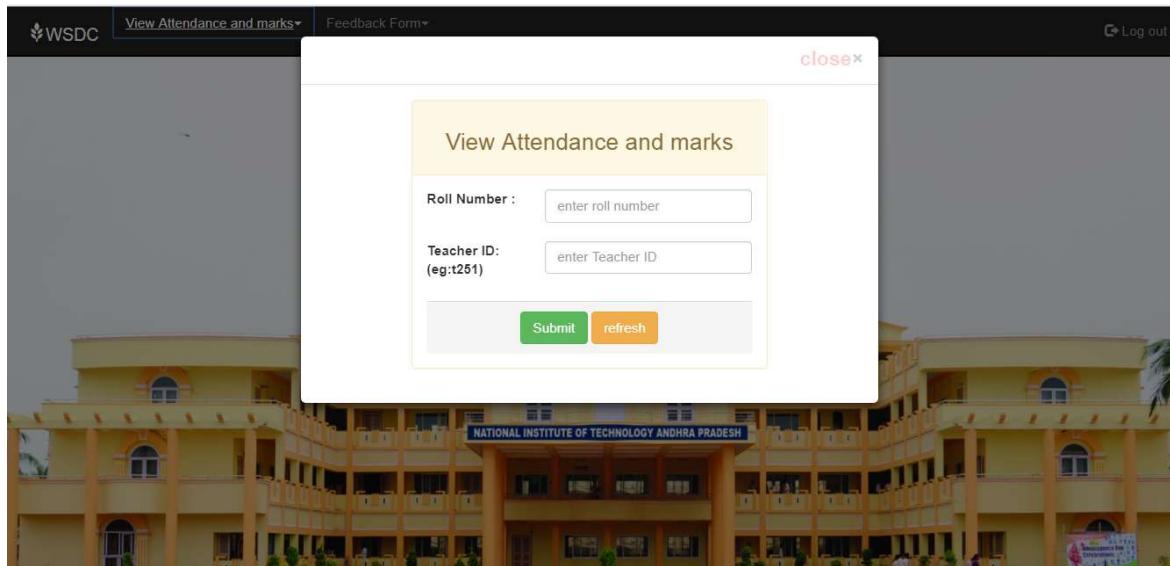


Fig 8.6: To view attendance and mark enter corresponding teacher Id and your roll number

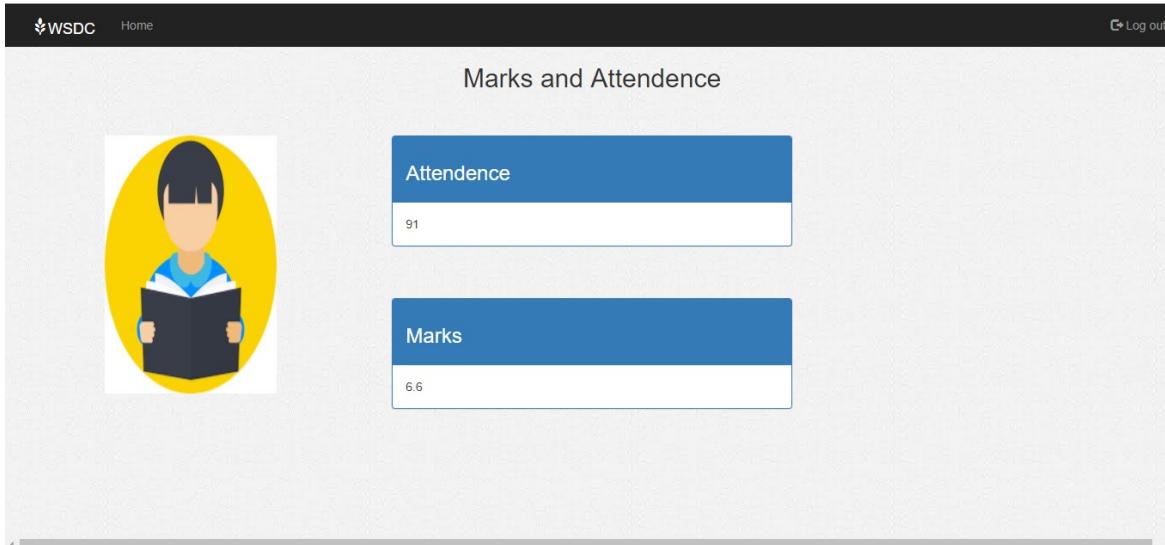


Fig 8.7: Overall Marks and Attendance of the Student

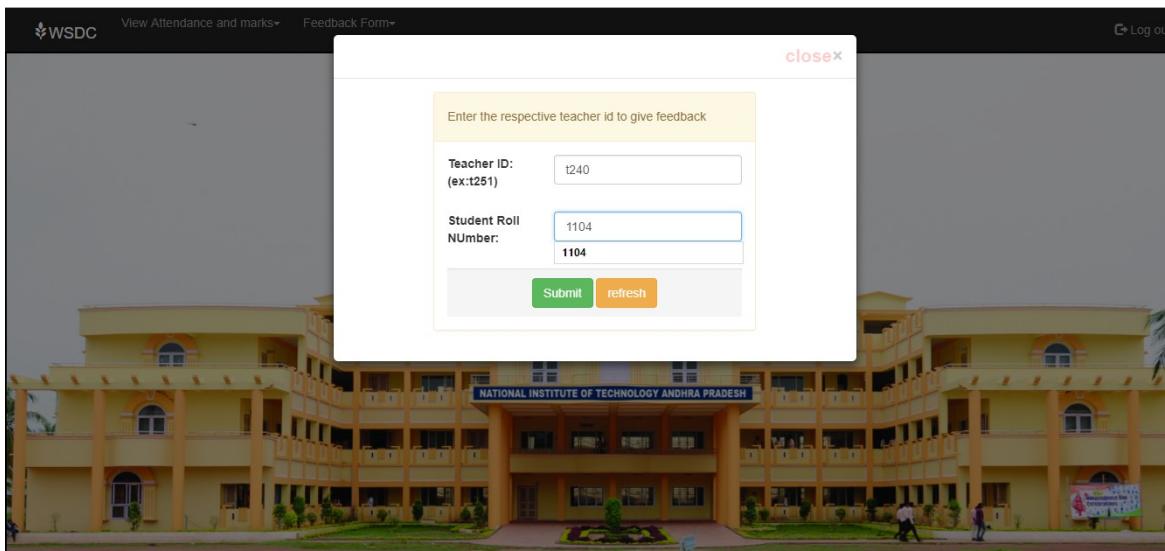


Fig 8.8:Enter Teacher Id and you roll number to submit feedback



WSDC Home Log out

Feedback Form

Question 1:
Introduction given(of both self and topic)

Bad Average Good Very Good Excellent

Question 2:
Dress,neatness and appearance

Bad Average Good Very Good Excellent

Question 3:
Writing on board,figure,diagrams(visual aids)

NOTE:
This information is confidential.
Please provide genuine information!!!

Fig 8.9:Feedback form containing 30 feedback Questions each with 5 options on a rating scale

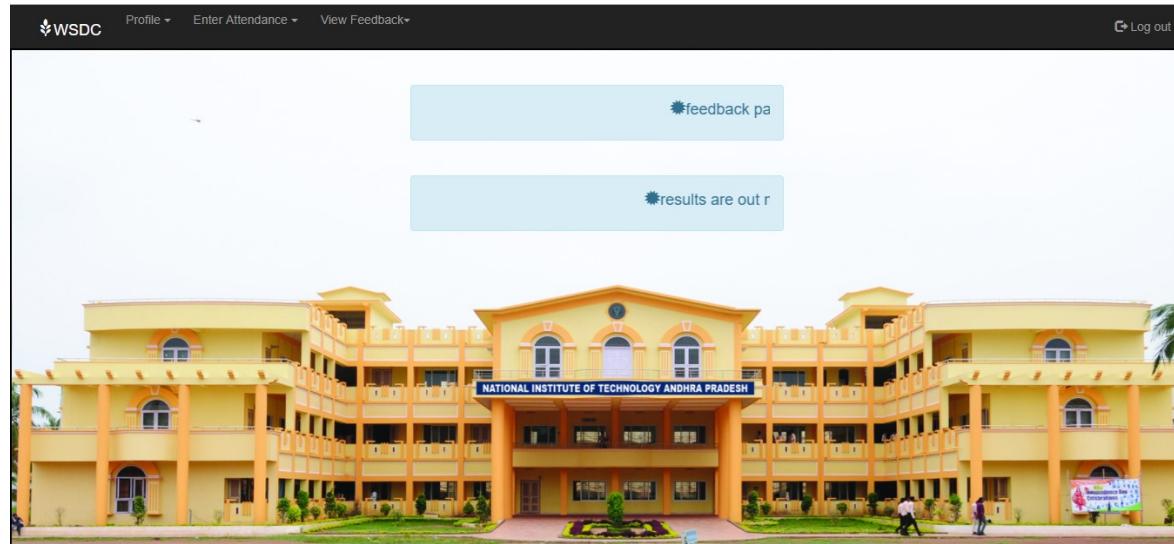


Fig 8.10:Faculty Homepage

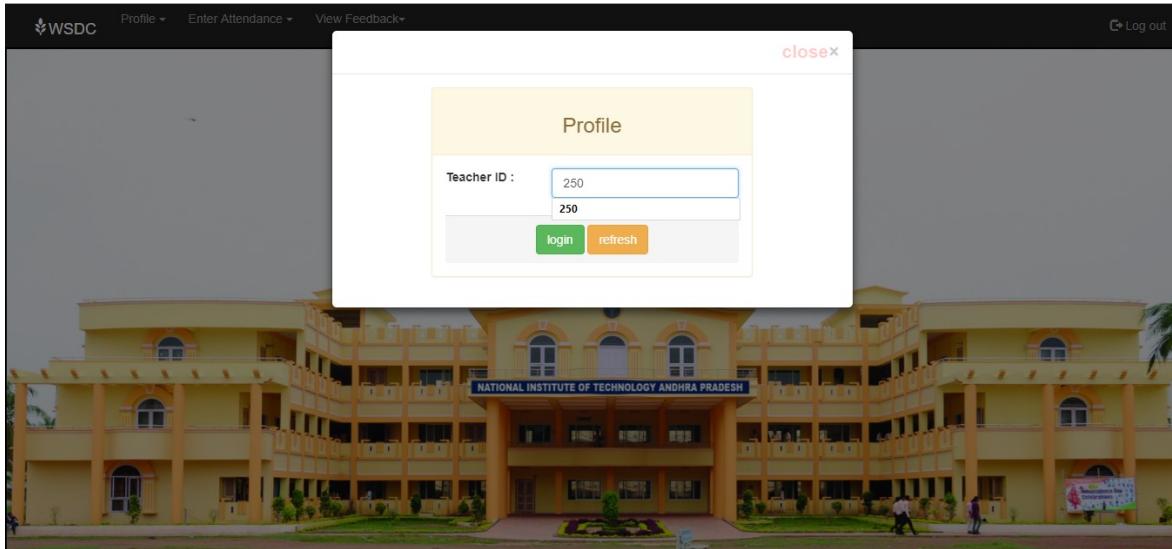


Fig 8.11: Teachers should enter their ID to view their profile

A screenshot of a teacher's profile page. The title 'Profile' is centered at the top. Below it, there is a table-like structure listing various metrics: No of conferences attended (4), No of Workshops attended (1), No of Papers Published (8), No of awards received (3), Teaching experience(in yrs) (19), Industrial experience (in yrs) (2), and Acquired a Phd degree? (no). The background of the page shows the same yellow building from Fig 8.11.

Fig 8.12: Teachers Profile

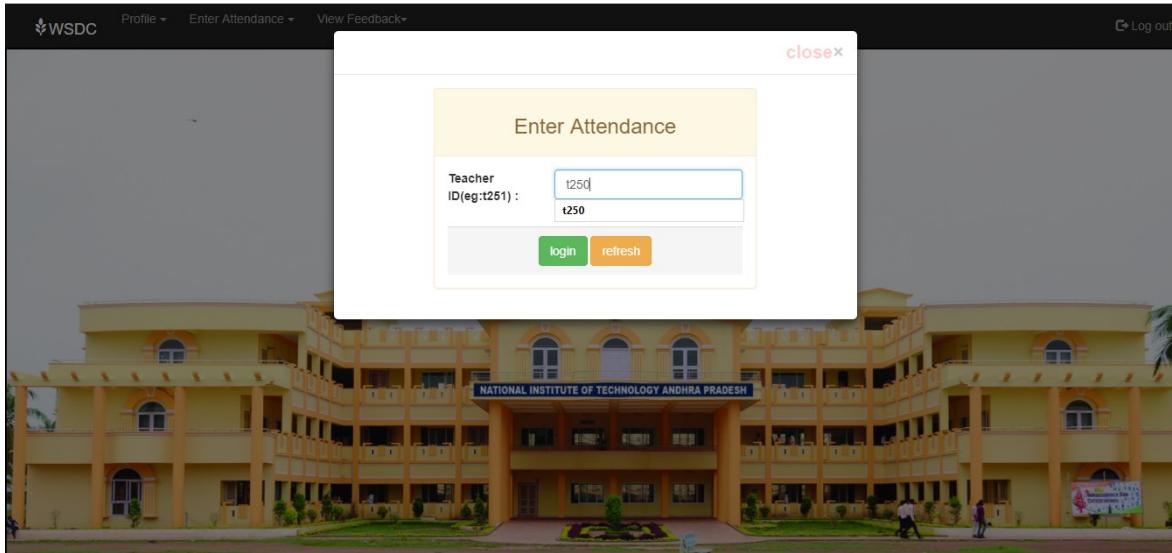


Fig 8.13: Teachers should enter ID to give attendance to students

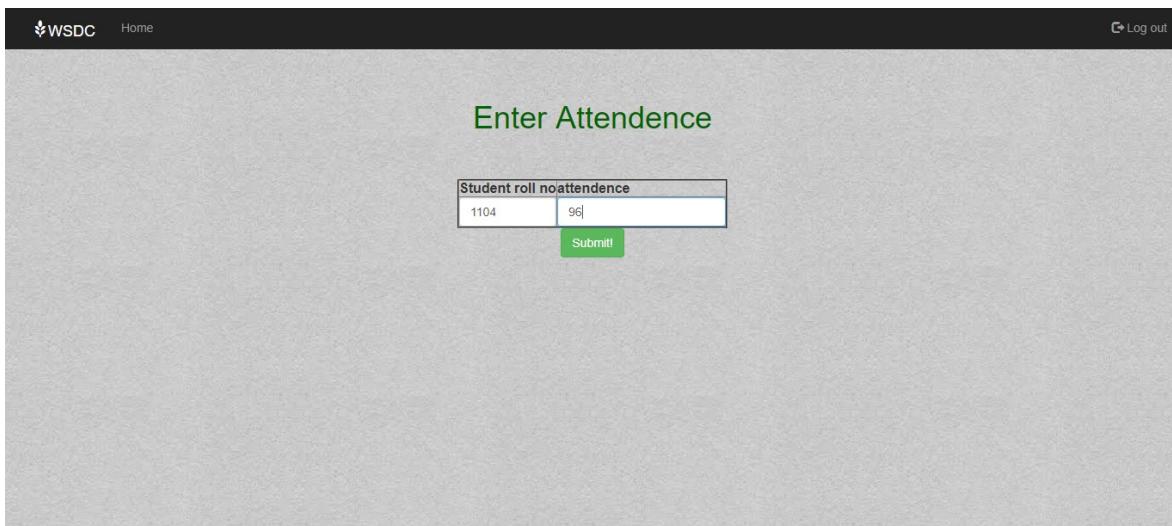


Fig 8.14: Attendance of students can be stored until you log out

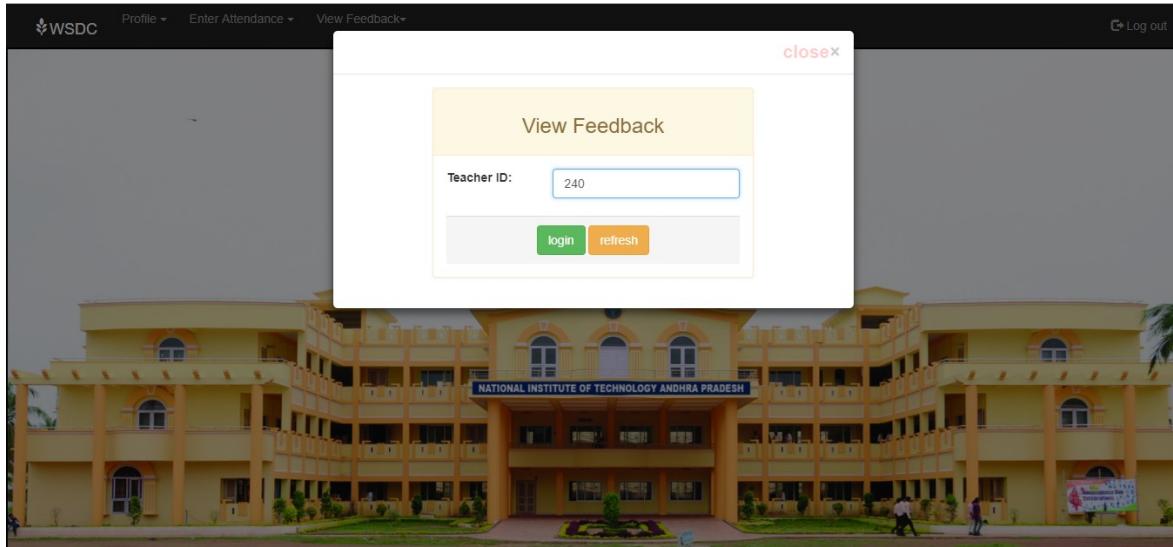


Fig 8.15: Teacher should enter their ID to view feedback

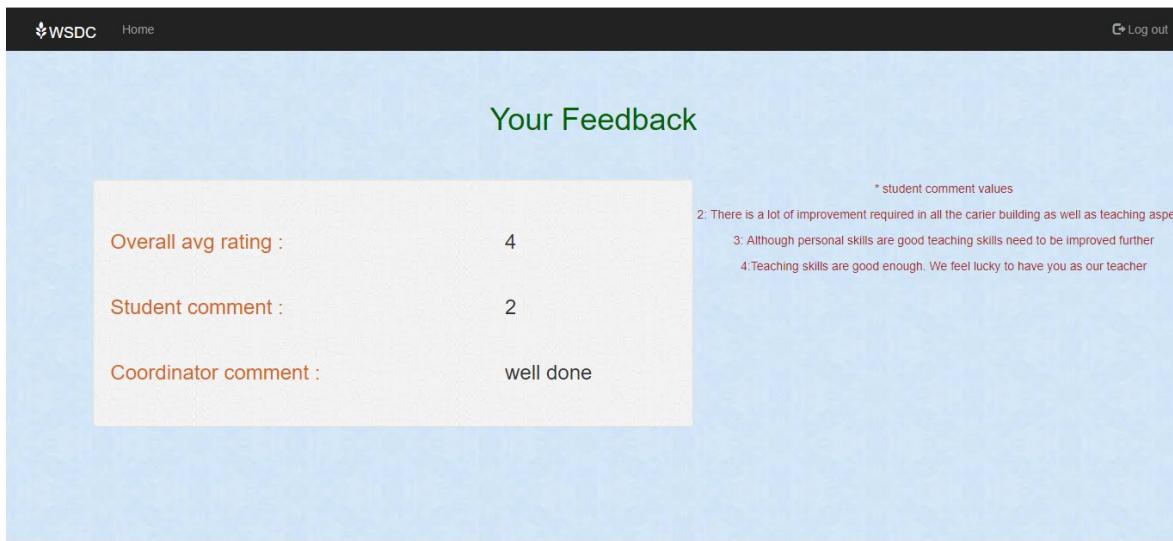


Fig 8.16: Feedback is displayed

WSDC Home Log out

Coordinator Profile

Prof. S. Srinivasa Rao
Coordinator

Prof. S. Srinivasa Rao is one of the senior Professors at National Institute of Technology, Warangal. He has over 25 years of teaching and research experience. He obtained his B.Tech Degree in Mechanical Engineering from JNTU College of Engineering, Kakinada in 1984. He obtained his M.Tech from JNTU College of Engineering Anantapur, in 1988, and Ph.D. from IIT, Bombay in 2002. He has held various administrative positions in the Institute such as Coordinator - TEQIP, Professor in-charge Training & Placement section, Dean (Students Welfare). Before being deputed to NIT Andhra Pradesh, he was working as Professor & Head, Department of Mechanical Engineering at NIT, Warangal.

As Coordinator, he will be stationed at NIT Andhra Pradesh, Tadepalligudem and will look after the routine activities of the Institute on a day-to-day basis.

Fig 8.17: Admin Profile

WSDC Home Profile View Feedback Log out

close

View Feedback

Teacher ID :

NATIONAL INSTITUTE OF TECHNOLOGY ANDHRA PRADESH

Fig 8.18: Admin Should enter Teacher ID to view feedback

The screenshot shows a web application interface titled "Profile". At the top left is a logo with the letters "WSDC" and a small icon. To its right are links for "Home" and "Log out". Below the header, the word "Profile" is centered in green text. On the left side, there is a form field labeled "Comment:" with a large empty text area and a "Submit" button at the bottom. To the right of this form is a table containing the following data:

No of conferences attended:	3
No of Workshops attended:	8
No of Papers Published:	8
No of awards received:	4
Teaching experience(in yrs):	1
Industrial experience (in yrs):	1
Acquired a Phd degree? :	no
Overall avg rating :	4
Student comment :	3

Fig 8.19: Admin can submit his comment here

9. CONCLUSION

We would hereby like to conclude that by the end of this project we were able to successfully complete the objective we aimed at. However the front end can still have modifications to make it more user friendly.

9.1 FUTURE WORKS

- Here the format of feedback we dealt with was compatible with relational database.

However in future we would also like to focus on formats that contain text inputs such as descriptive comments about teachers.

- Secondly, here although the system is mostly automated, a little manual effort is needed in storing the average of overall CGPA in database containing faculty profile as there is no direct connection between R and MYSQL.

Thus we have an idea to implement the whole system using most interactive platform Python wherein we can store, perform data mining and display WebPages at one go.

- Previous 2 works being our major focus, we would also like to make the website much more flexible where in other feature such as provision to edit profile, store marks per each test and then calculate CGPA, include strong encryption rather than MD5 etc

Further enhancements can be made in designing the screens. Some more forms can also be added so as to better retrieve the feedback details.

10. Bibliography

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<http://connor-johnson.com/2014/08/29/decision-trees-in-r-using-the-c50-package/>

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