

Department of Computer Science and Engineering

G.PULLAREDDY ENGINEERING COLLEGE (AUTONOMOUS):KURNOOL

(Affiliated to JNTUA, ANANTHAPURAMU)



A Report on “Faculty Feedback System” developed  
in 2015

# Faculty Feedback System

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## **ABSTRACT**

Faculty Feedback System is to provide feedback in an easy and quick manner to the college faculty. It is an interface between students and management for collecting feedback online. By using this technology we can take feedback about the faculty by students fast and submit the same on time to head of departments as it is an online system. This project has two kinds of users Student, Administrator. The student can give feedback in online system provided by college staff. First of all Administrator can prepare questions & add, update these questions to the online system. Those questions are viewed and answered by the students. These answers will be the feedback on that faculty individually. Each individual feedback is taken and consolidated as a report. This feedback report is used by the HODs to check the performance. The feedback report is the rating for each and every faculty given by students that can be used for further processing.

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## **1. INTRODUCTION**

This project is to develop web pages so that the traditional on paper feedback system can be done automated that is online.

### **1.1 INTRODUCTION**

This project is about collecting feedback about the faculty from students effectively and in an easy way. FEEDBACK from customer/ client/ student/ user is the only way to develop the organization. In general organizations collect feedback from its clients to improve their services based on given feedback and suggestions. In case of educational institutions, it is mandatory to take feedback about the teaching staff so as to improve their standards of teaching. This feedback will help in internal improvement of standards and also external growth of the organization. This is because if we respond properly for the feedback and take some measures then the quality of education will be improved which will improve the placements, sponsorships, etc. So for an educational institution, taking feedback is an important thing.

### **1.2 MOTIVATION**

The motivation for doing this project primarily is

- To reduce the usage of papers for taking feedback from student individually.
- To make feedback process effective.
- To generate effective reports.
- To reduce the time consumed for taking feedback.

### **1.3 PROBLEM DEFINITION**

To find an effective and fast way to collect feedback about the faculty from the students of each class.

### **1.4 LIMITATIONS OF PROJECT**

- All the students of same class must give feedback at same time.
- All the students must be logged in before any student completes giving the feedback.
- It has better look in latest browsers.

## **2. SYSTEM SPECIFICATIONS**

Software Requirement Specification is the starting point of the software developing activity. As system grew complex it became evident that the goal of the entire system cannot be easily comprehended. Hence the need for the requirement phase arose. The software is initiated by the client's needs.

### **2.1 SOFTWARE SPECIFICATIONS**

- Apache Server
- My SQL
- Mozilla Firefox
- Internet Explorer 10
- Google Chrome

### **2.2 HARDWARE SPECIFICATIONS**

- Intel Pentium 4 Processor
- 512 MB RAM
- 20 GB Hard Disk

## **3. LITERATURE SURVEY**

### **3.1 EXISTING SYSTEM**

Previously the college management used to take feedback on paper. The process is as follows

- Approaching students of each section.
- Distributing feedback forms of every faculty to each student.
- Collecting the forms after students fill them.
- Sorting of the forms according to Subject.
- Accessing each faculty.

#### **3.1.1 Drawbacks**

- It is time consuming.
- It needs lot of human effort.
- More time for accessing.
- Possibility of proxies.
- Possibility for human errors.

### **3.2 PROPOSED SYSTEM**

In this new system we have provided a website where each student can give there feedback about their faculty and still their names kept unrevealed. This is done in this manner.

#### **3.2.1 Advantages**

- Easy interface for the administrator to work on.
- Easy access to students.
- Generating reports instantly.
- Less time consuming process.
- Less human errors and proxies.

## 4. DESIGN

### 4.1 DESIGN

The architecture of this feedback consists of 8 main modules. The divisions and their connections between them is shown in fig 1. In this first the discipline and its duration is taken and branches are added to corresponding discipline and each branch is divided into number of years given during creation of discipline and to branches, faculty and subjects are added. Under the year module section and semesters are added to it. To the section, subject and faculty are mapped and make ready for the accessing of a particular section. After accessing the reports are generated and saved locally.

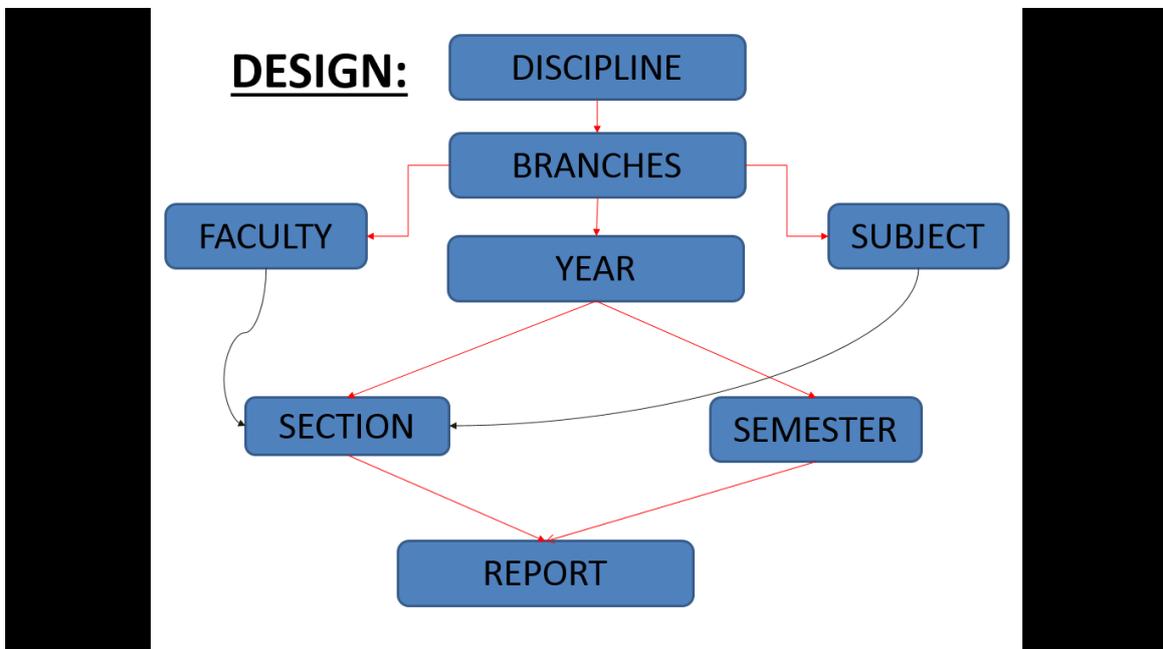


Fig4.1. Design of the Project

## 4.2 EXAMPLE

The below given design is an instance of the project design for a particular section. In this example for section A 1<sup>st</sup> year 1<sup>st</sup> semester branch IT under discipline B.Tech the faculty are mapped to corresponding subjects and reports are generated after the students have given feedback.

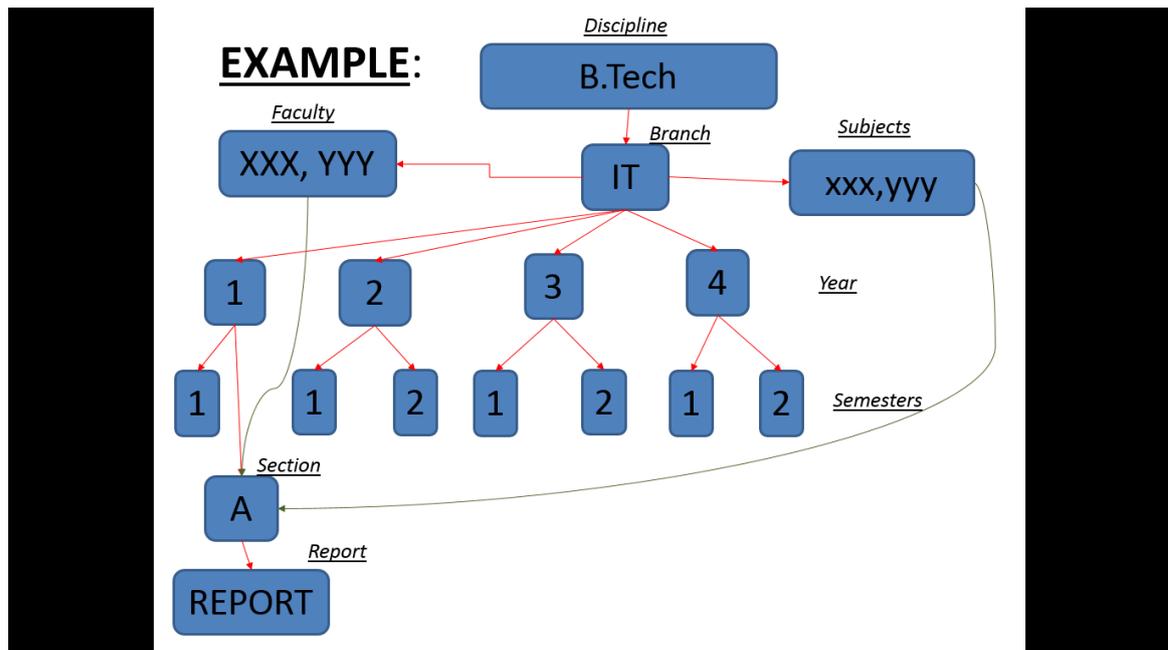


Fig 4.2.Instance of the design

## 4.3 FLOW CHART

### 4.3.1 Flow Chart for Student Side

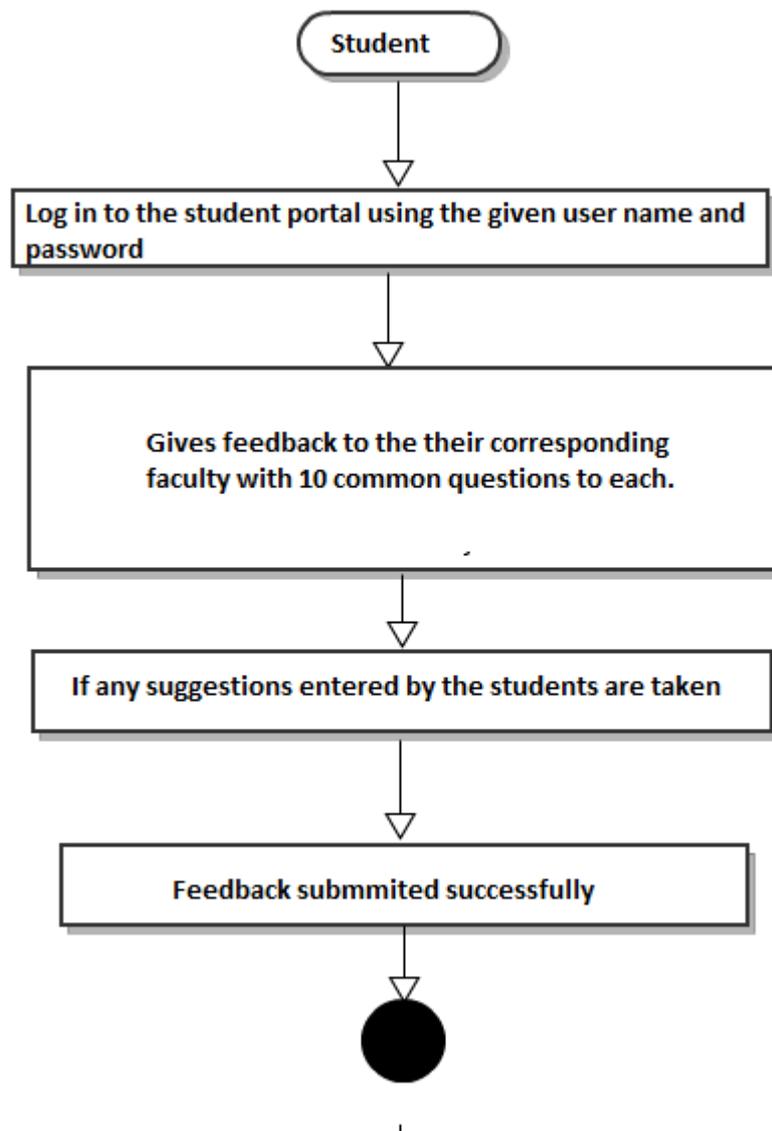


Fig 4.3 Flow chart for student side

## 4.3.2 Flow Chart for Administrator Side

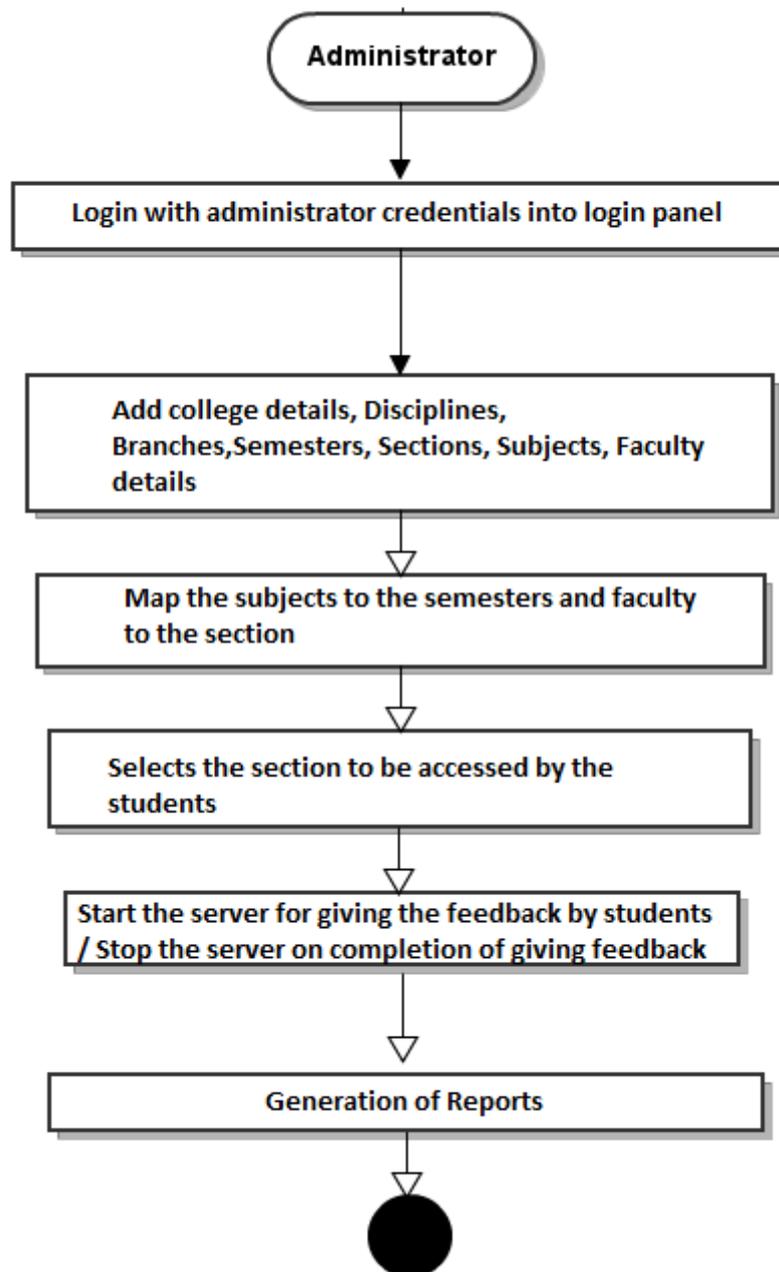


Fig 4.4 Flow chart for administrator side

## 5. IMPLEMENTATION

### 5.1 LOGIN PAGE

This page contains a login form. Using this anyone can login. Any user may be the administrator or the student has to give their user id and password to login. The main differentiation is done using the toggle buttons present above the form stating Admin and Student. Here to maintain privacy, the students are given common user id and password. This is to provide privacy to the student. Administrator will have other password and user id not as same as student. This page has the following constraints, if logging in as student, to avoid proxies in giving feedback.

- Student can login only if admin starts the server.
- A student is not allowed to login if one of the students completes his submission to avoid proxies.
- Important thing is student must select the Student in the toggle button if not even though he gives correct user id and password.

Once the login is validated and found to be correct, if the login details are of administrator, the page will be redirected to dashboard. If the login details are of student, then the ip address of the system is stored in database for further use and he is redirect to student home page.

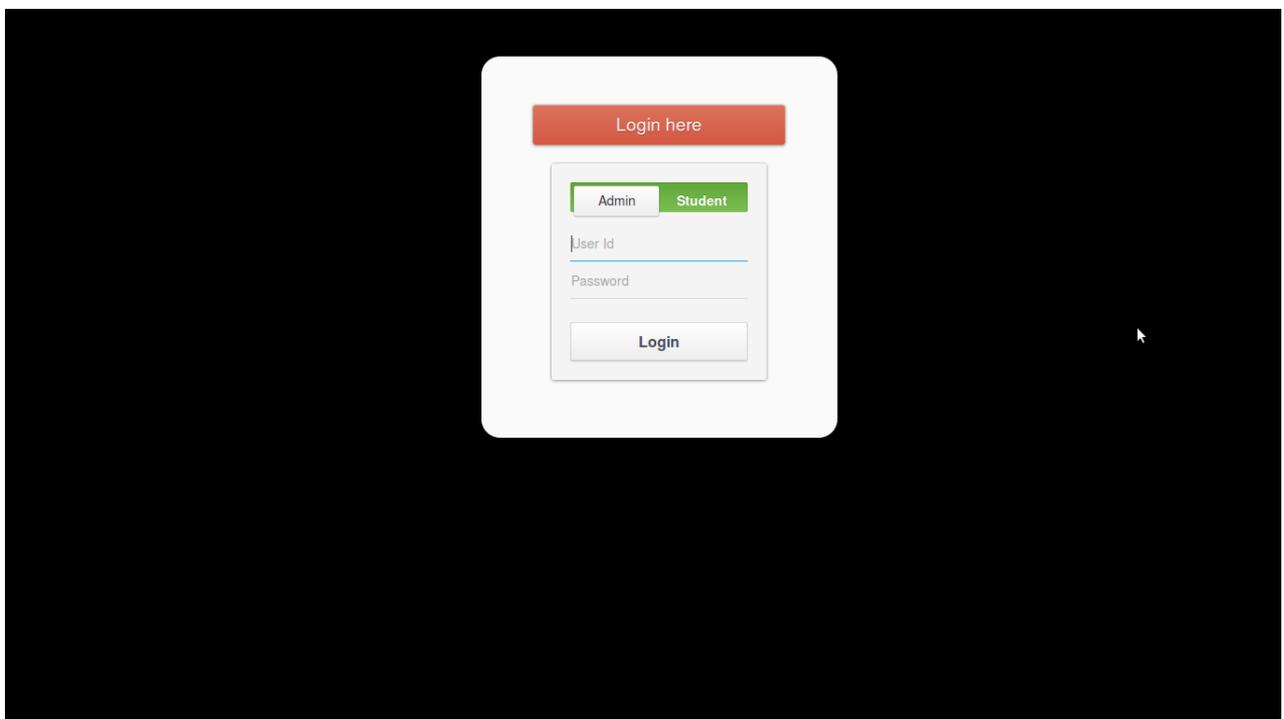


Fig 5.1 Login Page

## 5.2 ADMINPAGES

Once we login as administrator we are given complete control over website. The controls are

### 5.2.1 Dashboard

Here in this dashboard module we have given all the references to all the modules. From this page, the administrator can navigate to any of the pages in the website except the student home page. Each link is given by a block with a symbol representing it and the name of the link. There are a total of eight links. They are

1. College details
2. Add discipline
3. Add branches
4. Add subjects
5. Faculty
6. Mapping
7. Server
8. Now accessing

Each of the above links has its own functionality that is explained in detail further. Along with this, we have the same links as side bar to navigate through the pages and along with that we have a logout button that is used to logout the session whenever required. A breadcrumb is used in this to tell the administrator where he is navigating. In this we have given various symbols to all the modules for example for college details module the symbol is pencil. The class used is fafa\_pencil. Similarly for all the modules various symbols are placed.

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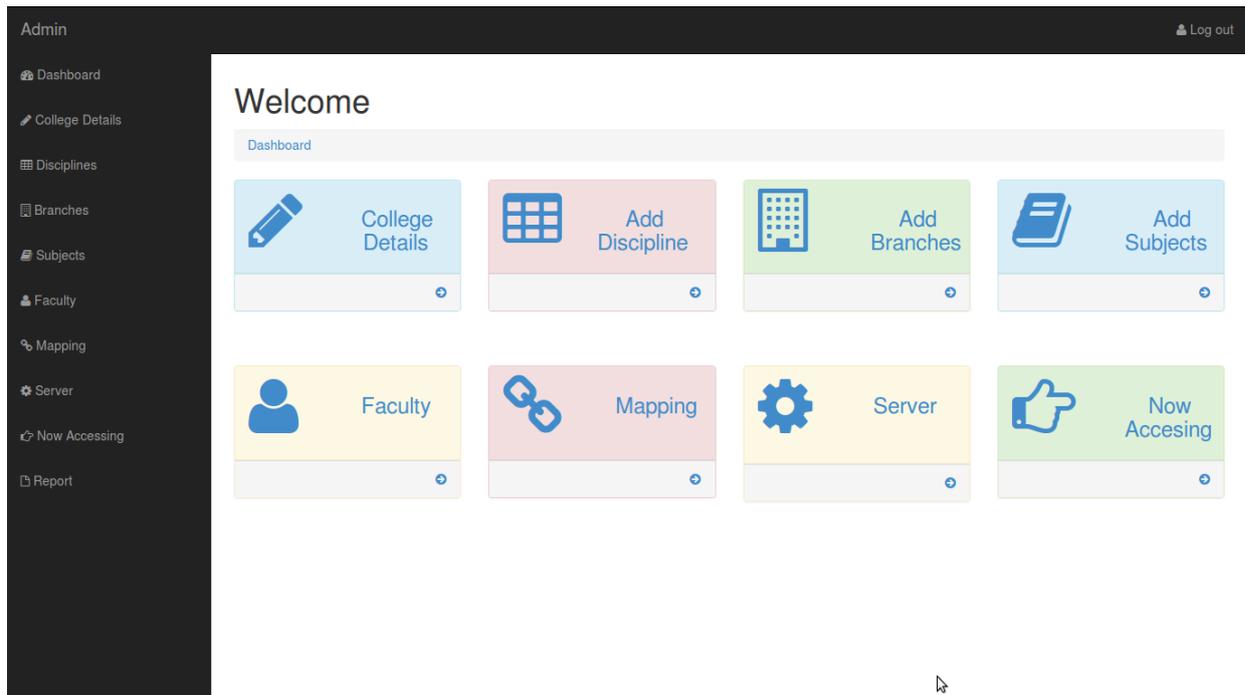


Fig 5.2 Dash board

## 5.2.2 College Details

In this page administrator gives details of college like College name, address, affiliations, logo, etc. Here in this college details we will asking for the college name, address, accreditation1, accreditation2, accreditation3, accreditation4, later we kept the logo of the college where we need to upload into it. After filling all the details you need to submit the details. Here in this college details college name, address, accreditation1 are compulsory and the remaining fields are optional. The page is designed such that it accepts the details of one college only. That is for the first time, we need to give all the details of college and from the next time, the details that are given already are displayed so that if there are any modifications, administrator can do. By this we can assure that only the details of one college are present in the database. In this for the first time we perform insert command of SQL to enter data into the table. From the next time on, the data had to be updated that means we use update command instead of insert command. This is done by using if statement. If there is a record in the table then update command has to be executed or else insert command has to be executed. The webpage is so dynamical that from the time the data is inserted, the input fields are filled with the data already give and the button states to update unlike submit before. This button will tell the administrator what he is doing that is inserting or updating the details. As in the

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dashboard, we have side bar which gives access to navigate through the administrator pages. There is a logout button in this page even to logout if required. The logo uploaded in this page is saved in a folder specified for it. This will be used for display in report pdf and home page of student. For this we make use of files concept in PHP. This is the first task of administrator in the website i.e., give the college details.

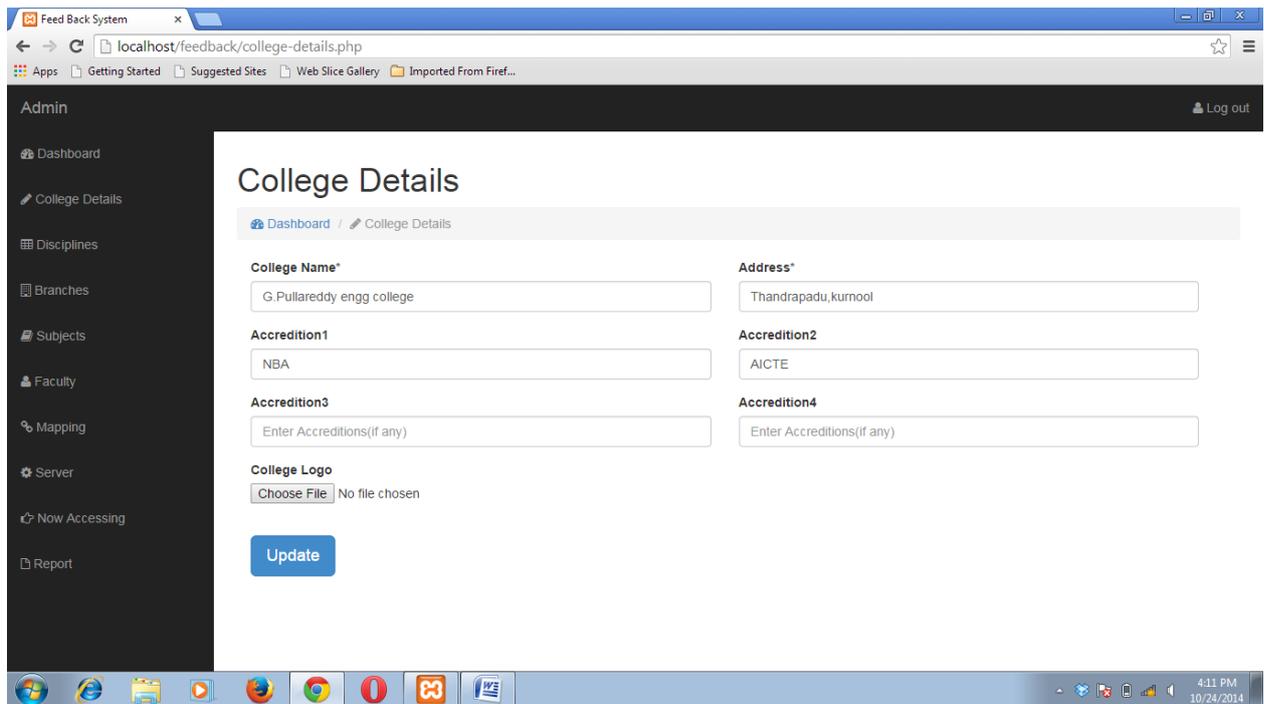


Fig 5.3 College Details

## 5.2.3 Discipline

In this page Administrator is given access to add or delete disciplines i.e M.tech, B.tech, etc along with their course duration. In this module we will be specifying for mainly courses offered by the college. First he need to select discipline like B.Tech (or) M.Tech. Next step is to select the duration of the years. The duration mention here to decide the number of years the students may present. Suppose if you want to add discipline, you can add by clicking the add disciplines button. Here in this course offered we have specified the table below to edit or delete the course by clicking the options specified. Here in the table displayed below, we have to button for each discipline namely edit and delete. On clicking the edit button, the page is redirected to other page where the functionality of editing the name and duration of discipline can be done. The delete button will help the administrator to delete the discipline. This delete is when the college don't offer the discipline any more. As in other pages, we have links to navigate through the site and a logout button to logout of the session.

The screenshot displays the 'Courses Offered' page. On the left is a dark sidebar with navigation links: Admin, Dashboard, College Details, Disciplines, Branches, Subjects, Faculty, Mapping, Server, Now Accessing, and Report. The main content area has a header 'Courses Offered' and a sub-header 'Add Disciplines'. Below this is a breadcrumb trail 'Dashboard / Disciplines'. The form section includes a 'Discipline' input field with the placeholder 'Enter Course' and an example 'M.Tech', and a 'Duration' input field with the placeholder 'No. of years' and an example '2'. A blue 'Add Discipline' button is positioned below the form. Underneath the form is a section titled 'Available Disciplines' containing a table with the following data:

S.No	Discipline Name	Duration	Options
1	B.Tech	4	
2	M.Tech	2	

Fig 5.4 Courses offered

## 5.2.4 Branches

In this page Administrator is given access to add, delete branches in each discipline, semesters and sections for each branch. In this module we have divided into three sections. They are

1. Add branch
2. Add semester
3. Add section

Let us see the functionality of each section in details.

### 1. Add branch

This section is used to add branches present in a discipline. For example we have computer science engineering, electrical and communication engineering, Information Technology etc. as branches in the discipline B.Tech. In this manner we have branches in each and every discipline. There is no rule that each college should have all the branches. So it is the task of administrator to add the branches that the college is offering under each discipline. There is a table below the form to display already added branches. This table has the following columns,

- a. Discipline
- b. Branch

Along with this, there is a delete button for each branch that is used to delete the branch if not necessary. Each delete button will redirect us to a new page where the code to delete is written and once the delete operation is completed it is redirected to the page back. This will make the administrator feel that he is still in that page only. After redirecting, he can observe that the desired branch is not in the list. This is the functionality of this section. Along with this we have navigator links and logout button as usual to navigate through the site or administrator pages and to logout whenever he feels like.

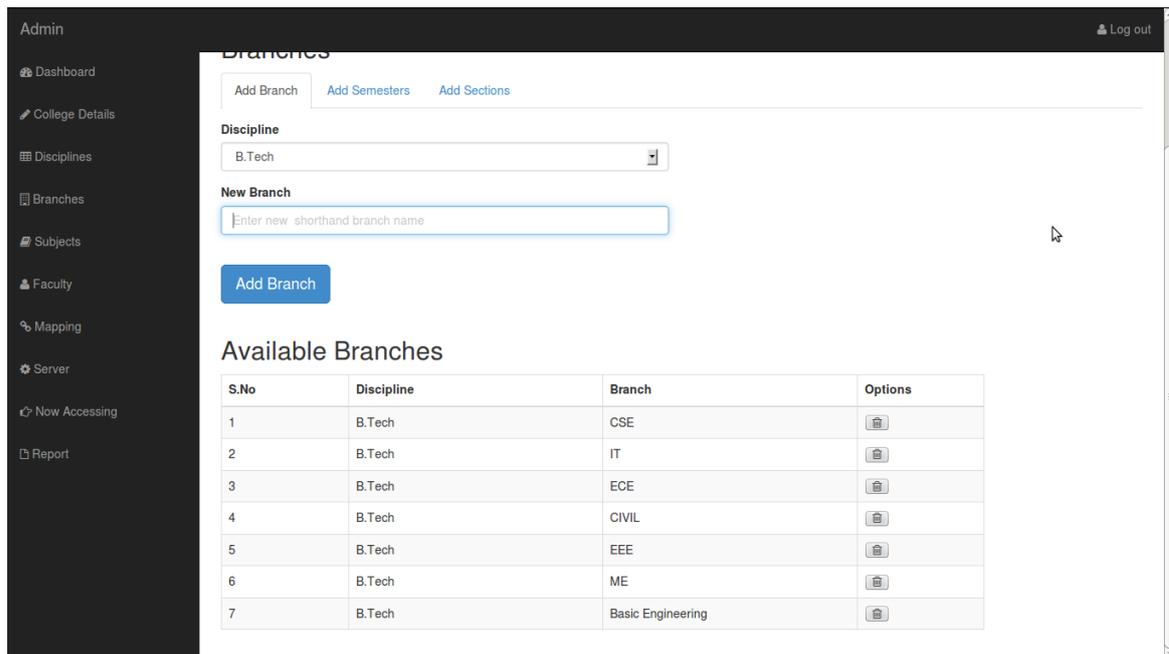


Fig 5.5 Add Branch

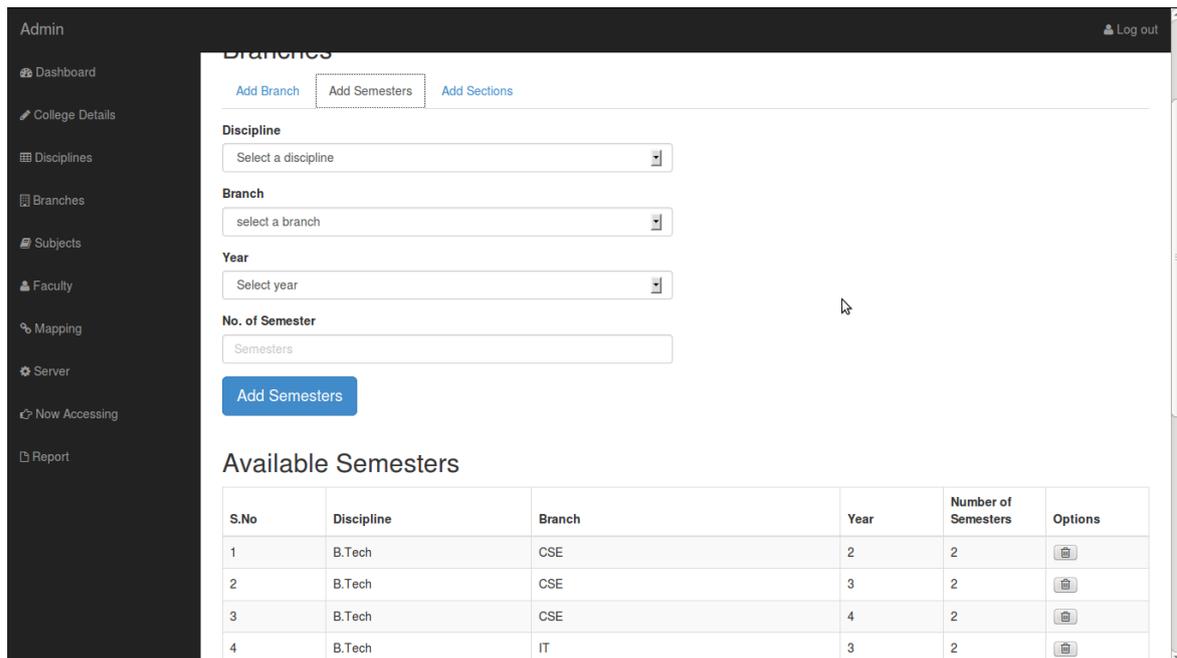
## 2. Add semester

This section is present as a part of add branches page. This can be viewed by clicking on the Add Semesters tab on the top of the page beside the Add branches tab. This page has a form to get the semester details of each branch. Each branch has different semester count for each year. So it is the duty of the administrator to give the details of these semesters. For this he need to select the details like discipline, branch, year and then give the number of semesters it has. Once we add the semesters, it is displayed in the table below. The table has the following columns

- a. Discipline
- b. Branch
- c. Year
- d. Number of semesters

Along with this there is delete button for each row in the table. This will help in deleting the details furnished.

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The screenshot shows the 'Add Semesters' form in the Faculty Feedback System. The form is located in the 'BRANCHES' section and includes the following fields:

- Discipline:** Select a discipline (dropdown menu)
- Branch:** select a branch (dropdown menu)
- Year:** Select year (dropdown menu)
- No. of Semester:** Semesters (text input)

There is an 'Add Semesters' button below the form. Below the form is a table titled 'Available Semesters' with the following columns: S.No, Discipline, Branch, Year, Number of Semesters, and Options. The table contains four rows of data:

S.No	Discipline	Branch	Year	Number of Semesters	Options
1	B.Tech	CSE	2	2	
2	B.Tech	CSE	3	2	
3	B.Tech	CSE	4	2	
4	B.Tech	IT	3	2	

Fig 5.6 Add Semesters

### 3. Add section

This section is present as a part of add branches page. This can be viewed by clicking on the Add Sections tab on the top of the page beside the Add semester tab. This page has a form to get the section details of each year. Each branch has different number of sections for each year. So it is the duty of the administrator to give the details of these sections beforehand. For this he needs to select the details like discipline, branch, and year and then give the name of section. This has done for each and every section it has. If a branch has three sections for first year then he need to give the same details three times with different section name. Once we add the section, it is displayed in the table below. The table has the following columns

- Discipline
- Branch
- Year
- Section Name

Along with this there is delete button for each row in the table. This will help in deleting the details furnished.

# Faculty Feedback System

The screenshot shows the 'Add Section' form in the Faculty Feedback System. The form is titled 'BRANCHES' and has three tabs: 'Add Branch', 'Add Semesters', and 'Add Sections'. The 'Add Sections' tab is active. The form contains the following fields:

- Discipline:** A dropdown menu with the placeholder text 'Select a discipline'.
- Branch:** A dropdown menu with the placeholder text 'Select a Branch'.
- Year:** A dropdown menu with the placeholder text 'Select a Year'.
- Section Name:** A text input field with the placeholder text 'Enter Section Name'.

Below the form is a blue button labeled 'Add Section'. Underneath the button is a section titled 'Available Sections' which contains a table with the following data:

S.No	Branch	Year	Section Name	Options
1	CSE	2	A	
2	CSE	2	B	
3	CSE	2	C	
4	CSE	3	A	

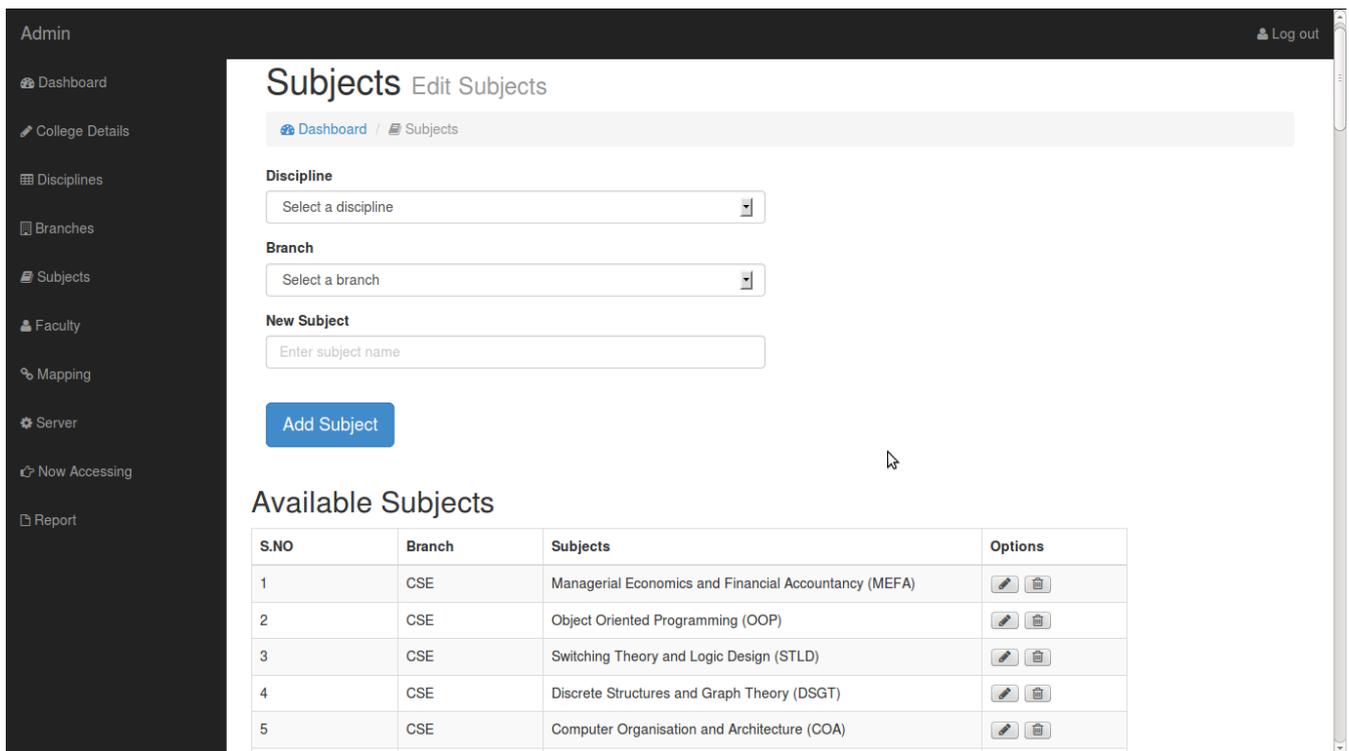
Fig 5.7 Add Section

These are the tasks that the administrator has to do in this add branch page. Completing this page will give all the details about the branch like name of the branch, number of semesters for each year and names of sections for each year.

All these details are used because we will have different subjects and faculty for each year and each section. So we have to get the details of each branch beforehand so that there will be easy variation between in the mere future.

## 5.2.5 Subjects

In this page Administrator is given access to add/delete subjects for each branch. First you need to select discipline, enter the branch, enter new subject that you need to add, and then click Add subject button. At the bottom of the page it displays in a tabular format where we can edit or delete the available subjects.



The screenshot displays the 'Subjects' management interface. On the left is a dark sidebar with navigation links. The main area has a header 'Subjects Edit Subjects' and a breadcrumb 'Dashboard / Subjects'. The form includes:

- Discipline:** A dropdown menu with the placeholder 'Select a discipline'.
- Branch:** A dropdown menu with the placeholder 'Select a branch'.
- New Subject:** A text input field with the placeholder 'Enter subject name'.
- Add Subject:** A blue button to submit the new subject.

Below the form is a table titled 'Available Subjects' with the following data:

S.NO	Branch	Subjects	Options
1	CSE	Managerial Economics and Financial Accountancy (MEFA)	 
2	CSE	Object Oriented Programming (OOP)	 
3	CSE	Switching Theory and Logic Design (STLD)	 
4	CSE	Discrete Structures and Graph Theory (DSGT)	 
5	CSE	Computer Organisation and Architecture (COA)	 

Fig 5.8 Add Subjects

# Faculty Feedback System

## 5.2.6 Faculty

In this page Administrator can add/delete/update faculty details of each department. First enter name of faculty, his email id, phone number, branch and then click submit button. In this way you can add any number of faculty details. Here also tabular like format is displayed where we can edit or delete the faculty details.

The screenshot displays the 'Faculty Edit Faculty Details' page. On the left is a dark sidebar with navigation options: Admin, Dashboard, College Details, Disciplines, Branches, Subjects, Faculty, Mapping, Server, Now Accessing, and Report. The main content area has a breadcrumb 'Dashboard / Faculty' and a form with fields for Name, Email id, Phone, and Branch, along with a Submit button. Below the form is a table titled 'Available Faculty' with columns for S.No, Name, Email ID, Phone no, Branch, and Options. The table lists seven faculty members, all in the CSE branch.

S.No	Name	Email ID	Phone no	Branch	Options
1	Dr.N.Kasivishwanath	hodcse@gprec.ac.in	9948232684	CSE	
2	Dr.R.Praveensam	praveen_sam75@yahoo.com	9848947982	CSE	
3	Dr.D.Kavitha	dwaramkavithareddy@gmail.com	9849534340	CSE	
4	Dr. S.Zahoor-ul-Huq	drzaho0or@live.com	9885421800	CSE	
5	Sri.C.Sreedhar	sreedharchowdam@live.in	9052624904	CSE	
6	Sri. K.Ishthaq Ahamed	ishthaq@gmail.com	9866776244	CSE	
7	Sri.J.Swaminaik	swaminaikcse@gmail.com	9440278662	CSE	

Fig 5.9 Add Faculty

## 5.2.7 Mapping

In this page Administrator will map subjects to semesters and respective faculty to mapped subjects.

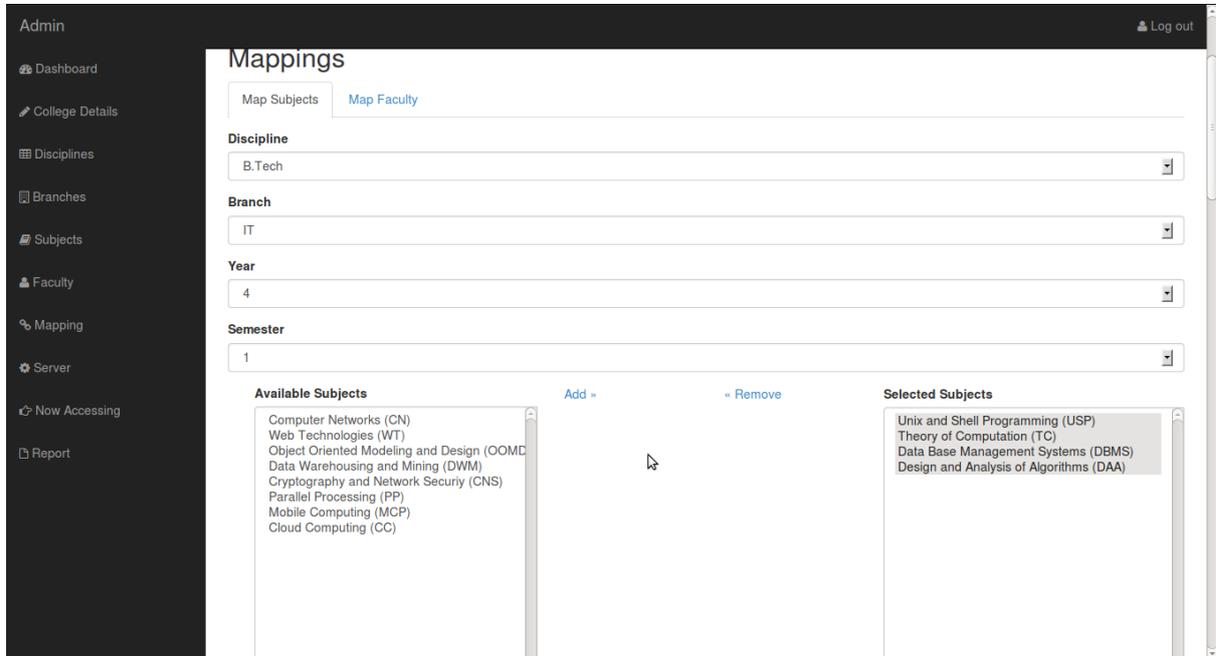


Fig 5.10 Mapping to subjects

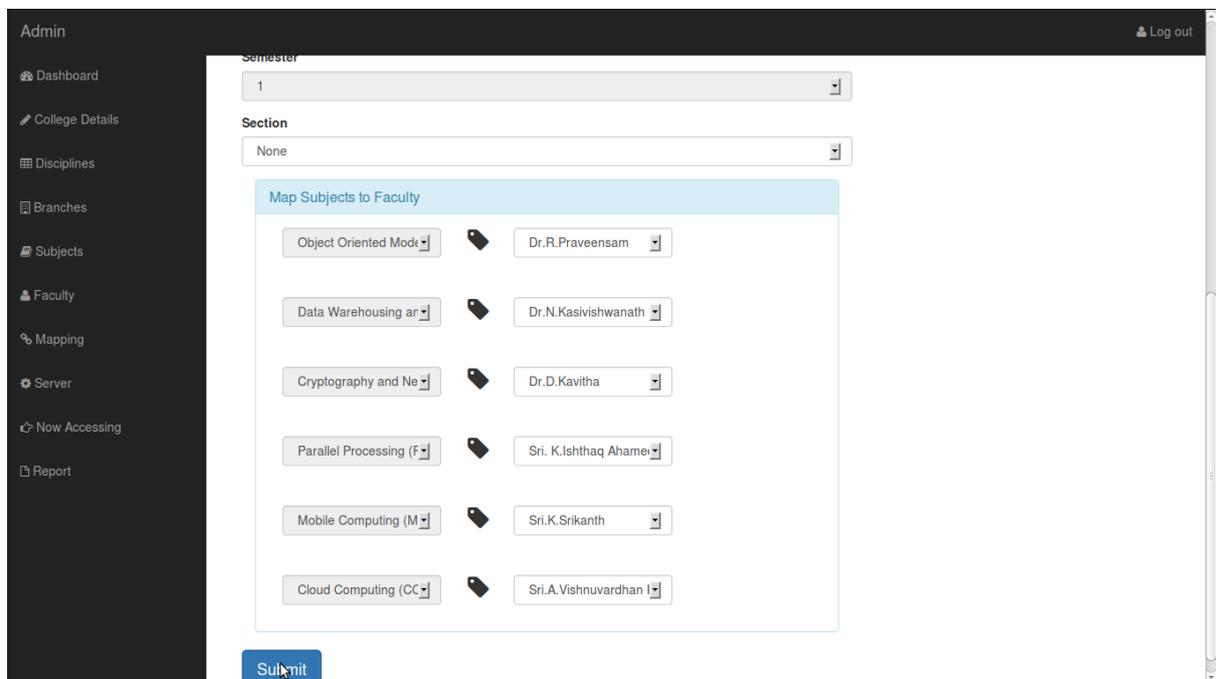


Fig 5.11 Mapping to faculty

## 5.2.8 Now Accessing

In this page we will enter the details of the one particular section that is going to give feedback to the faculty. page Administrator will fill the discipline, branch, year, semester, section and scheme and give access to the students.

The screenshot displays the 'Now Accessing' page within an administrative interface. On the left is a dark sidebar with navigation links: Admin, Dashboard, College Details, Disciplines, Branches, Subjects, Faculty, Mapping, Server, Now Accessing (highlighted), and Report. The main content area has a top navigation bar with 'Dashboard / Now Accessing' and a 'Log Out' link. Below this is the 'Access' section with two tabs: 'Now Accessing' (active) and 'Questions'. The form contains the following fields:

- Discipline:** B.Tech
- Branch:** IT
- Year:** 4
- Semester:** 1
- Section:** None
- Scheme:** Scheme-10

A blue 'Submit' button is located at the bottom of the form.

Fig 5.12 Now Accessing

## 5.2.9 Server

Administrator will start the server and give access to students to give feed back and server is stopped after taking feed back from all the students.

The screenshot displays the 'Server' management interface. On the left is a dark sidebar with navigation links: Admin, Dashboard, College Details, Disciplines, Branches, Subjects, Faculty, Mapping, Server, Now Accessing, and Report. The main content area has a header 'Server Start and Stop Server' and a breadcrumb 'Dashboard / Server'. Below the header are two buttons: 'START SERVER' with a play icon and 'STOP SERVER' with a stop icon. Underneath is a section titled 'Available Disciplines' containing a table with the following data:

S.No	IP ADDRESS	status	Option
1	127.0.0.1	Running	

Fig 5.13 Server Page

# Faculty Feedback System

## 5.3 STUDENT PAGE

If a person login with student login details he/she gets access to give feedback to each and every faculty of their respective class. Later it will be helpful for us to generate report.

**G.Pulla Reddy Engineering College** (Autonomous)  
Kurnool - 518 007, Andhra Pradesh, India  
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Discipline	Branch	Year	Semester	Section	Subject	Faculty
B.Tech	CSE	2	1	A	Managerial Economics a	Smt K.Aparna

<p><b>1) Teacher comes to class on time</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>3) Teacher Speaks clearly and audibly</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>5) Teacher Writes and Draws Legibly</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>7) Teacher is courteous and impartial in dealing with students</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>9) Teacher covers the syllabus completely at appropriate pace</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p>	<p><b>2) Teacher comes well planned and prepared</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>4) Teacher Provides examples of concepts / principles, explanations are done effectively</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>6) Teacher encourages questioning / raising doubts by students and answer them well</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>8) Teacher engages classes regularly and maintains discipline</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p> <p><b>10) Teacher is prompt in valuing and returning the answer scripts providing feedback on performance</b> <input type="radio"/> Excellent <input type="radio"/> Very Good <input type="radio"/> Good <input type="radio"/> Average <input type="radio"/> Poor</p>
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Suggestions here

[Next](#)

Fig 5.14 Student side page

# Faculty Feedback System

## 5.4 REPORTS

Two types of reports are generated in this system. They are

- Individual Report
- Consolidation Report

### 5.4.1 Individual Report

This report consists of the detail information of an individual faculty provided with the grade, remarks and suggestions by the students.


**G.Pulla Reddy Engineering College (Autonomous)**  
 Kurnool - 518 007, Andhra Pradesh, India  
Approved by AICTE & Affiliated to Javaharlal Nehru Technology University, Anantapur  
 An ISO 9001 - 2008 Certified Institute, Accredited by MAAC of UGC & IBA of AICTE

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**STUDENT FEEDBACK REPORT**  
Subject/Faculty wise report

**DATE: 7-November-2014**

Courses / Semesters / section	Faculty Name	Subject Name	Regulation	Branch
B.Tech /4 Year -1 Semester/Section None	Sri.K.Srikanth	Object Oriented Modeling and Design (OOMD)	SCHEME-10	IT

No	Question	Excellent	Very Good	Good	Average	Poor
1.	Teacher comes to class on time	1	1	0	0	0
2.	Teacher comes well planned and prepared	0	1	0	1	0
3.	Teacher Speaks clearly and audibly	1	1	0	0	0
4.	Teacher Provides examples of concepts / principles, explanations are done effectively	1	0	1	0	0
5.	Teacher Writes and Draws Legibly	1	1	0	0	0
6.	Teacher encourages questioning / raising doubts by students and answer them well	1	0	0	0	1
7.	Teacher is courteous and impartial in dealing with students	1	0	0	0	1
8.	Teacher engages classes regularly and maintains discipline	1	1	0	0	0
9.	Teacher covers the syllabus completely at appropriate pace	1	0	0	0	1
10.	Teacher is prompt in valuing and returning the answer scripts providing feedback on performance	1	0	1	0	0
<b>Total No of Grades</b>		<input type="text" value="9"/>	<input type="text" value="5"/>	<input type="text" value="2"/>	<input type="text" value="1"/>	<input type="text" value="3"/>

Total No of students appeared are : 2 Final Grade : 3.8

Grade Marks (-: 3 - Poor/ 3.5 - Average / 3.5 - 4 - Good / 4 - 4.5 - Very Good / 4.5 - 5 - Excellent) Result : GOOD

**Remarks**

\*\*NO REMARKS\*\*

**Suggestions:**

**Faculty**

**Principal**

**HOD**

Fig 5.15 Individual Report

# Faculty Feedback System

## 5.4.1 Consolidation Report

This report consists of the overall information of all the faculty of a section provided with the grade, remarks and suggestions by the students.


**G.Pulla Reddy Engineering College** (Autonomous)  
 Kurnool - 518 007, Andhra Pradesh, India  
Approved by AICTE & Affiliated to Jawaharlal Nehru Technology University, Anantapur  
 An ISO 9001 - 2008 Certified Institute, Accredited by HAAC of UGC & HBA of AICTE

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**STUDENT FEEDBACK REPORT**  
Class wise consolidation report  
**Grade Marks** [- < 3 : Poor / 3 - 3.5 : Average / 3.5 - 4 : Good / 4 - 4.5 : Very Good / 4.5 - 5 : Excellent]

**DATE:** 7-November-2014

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Academic Year	Course / Semester	Branch	Section	Regulation
2014-2015	B.Tech - 4 Year-1 Semester	IT	None	SCHEME-10

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Faculty Name	Subject Name	Points	Grade	Remarks
Sri.K.Srikanth	Object Oriented Modeling and Design (OOMD)	3.80	GOOD	**NO REMARKS**
Sri.K.Bala Chowdappa	Data Warehousing and Mining (DWM)	3.95	GOOD	**NO REMARKS**
Smt.L.Sudharani	Cryptography and Network Security (CNS)	4.30	VERY GOOD	**NO REMARKS**
Sri.V.Suresh	Parallel Processing (PP)	3.00	AVERAGE	**NO REMARKS**
Ms.V.Spoorthy	Mobile Computing (MCP)	2.65	POOR	Teacher does not provide examples of concepts / principles, explanations are done effectively
Sri.Y.Rama Mohan	Cloud Computing (CC)	3.95	GOOD	**NO REMARKS**

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Principal

HOD

Fig 5.16 Consolidation Report

## 5.5 SAMPLE CODE

### 5.5.1 Code for PDF Generation

The below code is for generating of the report from the results given by the students through the student page. The report consists of totally  $n+1$  number of papers where  $n$  is the number of faculty accessed by the students. First  $n$  pages consists of the detailed individual report of the faculty with suggestions by the students and the last page consists of the consolidation report of the class with grade and remarks are given to each faculty.

```
<?php
include('validate.php');
include('database_connect.php');
$noofacc=mysql_query("select max(acc_id) from results");
$noofacc=mysql_fetch_array($noofacc);
mysql_query("truncate table report");
mysql_query("delete from conreport");
for($i=1;$i<=$noofacc[0];$i++){
    $sql=mysql_query("select max(question_number) from question");
    $noofques=mysql_fetch_array($sql);
    $sql=mysql_query("select section_number, faculty_number from now_accessing
where acc_id='$i'");
    $res=mysql_fetch_array($sql);
    for($j=1;$j<=$noofques[0];$j++){
        $sql=mysql_query("select count(answer) from results where
acc_id='$i'andquestion_number='$j' and answer=5");
        $excellent=mysql_fetch_array($sql);
        $sql1=mysql_query("select count(answer) from results where
acc_id='$i'andquestion_number='$j' and answer=4");
        $very_good=mysql_fetch_array($sql1);
        $sql2=mysql_query("select count(answer) from results where
acc_id='$i'andquestion_number='$j' and answer=3");
```

## Faculty Feedback System

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```
$good=mysql_fetch_array($sql2);
$sql3=mysql_query("select count(answer) from results where
acc_id='$i'andquestion_number='$j' and answer=2");
$average=mysql_fetch_array($sql3);
$sql4=mysql_query("select count(answer) from results where
acc_id='$i'andquestion_number='$j' and answer=1");
$poor=mysql_fetch_array($sql4);
mysql_query("insert into report
values('$res[0]','$j','$res[1]','$excellent[0]','$very_good[0]','$good[0]','$average[0]','$p
oor[0]')");
    }
}
$today = getdate();
$year=$today['year'];
$mon=$today['month'];
$day=$today['mday'];
$mont=$today['mon'];
require('fpdf.php');

//to get scheme name
$sqlsch=mysql_query("select * from scheme");
$rowssch=mysql_fetch_array($sqlsch);
//get details from now_accessing
$sqlcoun=mysql_query("select * from now_accessing");
//counting no.of pdf's to be generated
$count=mysql_num_rows($sqlcoun);

//to get college details
$sqlcol=mysql_query("select * from college_details");
$rowcol=mysql_fetch_array($sqlcol);
```

## Faculty Feedback System

---

```
//to get report data
$sqlxe=mysql_query("select * from report");
$as=mysql_query("truncate table conreport");
//loop for generatin of detailed report
$pdf=new FPDF();
for($mai=1;$mai<=$count;$mai++){

// add a page
$pdf->AddPage('P','A4');
$row=mysql_fetch_array($sqlcoun);
//to get border
//to get subject Name
$sqlsub=mysql_query("select subject_name from subject where
subject_number='$row[5]'");
$rowsub=mysql_fetch_array($sqlsub);
//to get faculty Name
$sqlfac=mysql_query("select faculty_name,faculty_number from faculty where
faculty_number='$row[7]'");
$rowfac=mysql_fetch_array($sqlfac);
$sql27=mysql_query("select * from college_details");
$co=mysql_num_rows($sql27);
//to get discipline name
$sql1=mysql_query("select disp_name from discipline where
disp_number='$row[1]'");
$row1=mysql_fetch_array($sql1);
//to get branch name
$sql2=mysql_query("select branch_name from branch where
branch_number='$row[2]'");
$row2=mysql_fetch_array($sql2);
//to get Year Number
$sql3=mysql_query("select year_number from year where year_id='$row[3]'");
```

## Faculty Feedback System

---

```
$row3=mysql_fetch_array($sql3);
//to get sem Number
$sql4=mysql_query("select sem_number from semester where sem_id='$row[4]'");
$row4=mysql_fetch_array($sql4);
//to get section Name
$sqlsec=mysql_query("select section_name from section where
section_number='$row[6]'");
$rowsec=mysql_fetch_array($sqlsec);
//to get details in report
//$sqlrep=mysql_query("select * from report");
// setting font and color
$pdf->SetFont('Helvetica');
$pdf->SetTextColor(0, 0, 0);
$pdf->SetXY(65, 10);
$pdf->Image('./reports/logo.png', 45 , 3, 120);
$pdf->Line(7,20,205,20);

//display college details
$pdf->SetFontSize(15);
$pdf->SetXY(70, 8);
$pdf->MultiCell(100, 5, $rowcol[0] ,0 , L, false);
$pdf->SetFontSize(7);
$a=$rowcol[1].', Accrediated to '.$rowcol[2].''.$rowcol[3].''.$rowcol[4].'
'.$rowcol[5];
$pdf->SetXY(70, 13.5);
$pdf->MultiCell(100, 5, $a ,0 , L, false);
$pdf->SetFontSize(11);
$pdf->Text(75,24,'STUDENT FEEDBACK REPORT');
$pdf->SetFontSize(8);
$pdf->Text(84,28,'Subject/Faculty wise report');
```

## Faculty Feedback System

---

```
//display date
$pdf->SetFontSize(9);
$pdf->SetXY(160, 23);
$pdf->Write(0,'DATE:');
$pdf->SetXY(170, 23);
$pdf->SetFontSize(9);
$pdf->Write(0, $day.'-'. $mon.'--'. $year);
$pdf->SetFontSize(9);
//for question tab
$pdf->SetXY(7, 50);
$pdf->SetFillColor(255, 255, 0);
$pdf->MultiCell(200,8, ' ',1,L,true);

//Line before main
$pdf->Line(7,30,205,30);
//line after main
$pdf->Line(7,35,205,35);
//line for question tab`
$pdf->Line(7,50,205,50);
//end line for question tab
$pdf->Line(7,58,205,58);
//display in the main line

$pdf->SetXY(7, 30);
$pdf->SetFillColor(255, 0, 0);
$pdf->MultiCell(200,5, ' ',1,L,true);
$pdf->Text(10,33,'courses / Semesters / section');
$pdf->Text(70,33,'Faculty Name');
$pdf->Text(105,33,'Subject Name');
$pdf->Text(145,33,'Regulation');
$pdf->Text(180,33,'Branch');
```

## Faculty Feedback System

---

```
//display course/sem/section
$pdf->SetFontSize(7);
$pdf->SetXY(7, 38);
$pdf->MultiCell(45,5, $row1[0].'/'.$row3[0].' Year -'.$row4[0].' Semester/Section
'.$rowsec[0],0,L,false);
```

```
//display faculty name
$pdf->SetFontSize(8);
$pdf->SetXY(55,38);
$pdf->MultiCell(42, 5, $rowfac[0] ,0 , C, false);
$pdf->SetFontSize(10);
```

```
//display subject
$pdf->SetXY(100, 38);
$pdf->SetFontSize(6.2);
$pdf->MultiCell(37, 5, $rowsub[0],0, C, false);
$pdf->SetFontSize(8);
```

```
//place for regulation
$pdf->SetXY(139, 38);
$pdf->MultiCell(25, 5, $rowsch[0] ,0 , C, false);
```

```
//display for Branch
$pdf->SetXY(168, 38);
$pdf->MultiCell(35, 5, $row2[0] ,0 , C, false);
$pdf->Text(10,55,'No');
$pdf->Text(23,55,'Question');
$pdf->Text(105,55,'Excellent');
$pdf->Text(125,55,'Very Good');
$pdf->Text(150,55,'Good');
```

## Faculty Feedback System

---

```
$pdf->Text(170,55,'Average');
$pdf->Text(190,55,'Poor');
$pdf->SetFontSize(8);
$qcount=mysql_query("select * from question");
$squcount=mysql_num_rows($qcount);
$x=10;$y=60;
$sexmai=0;
$vgmai=0;
$gomai=0;
$avgemai=0;
$pooremai=0;
for($sub=1;$sub<=$squcount;$sub++,$y+=8,$x=10){
    $sque=mysql_fetch_array($qcount);
    $sqlrepo=mysql_fetch_array($sqlexe);
    $exc=$sqlrepo[3];
    $vg=$sqlrepo[4];
    $go=$sqlrepo[5];
    $avge=$sqlrepo[6];
    $poor=$sqlrepo[7];
    $pdf->SetXY($x, $y);
    $pdf->MultiCell(7,5,$sub.'!',0 , C, false);
    $x+=10;
    $pdf->SetXY($x, $y);
    $pdf->SetFontSize(7);
    $pdf->MultiCell(74,3, $sque[1],0 , L, false);
    $x+=86;
    $pdf->SetFontSize(8);
    $pdf->SetXY($x, $y);
    $pdf->MultiCell(8,5, $exc,0 , L, false);
    $x+=22;
    $pdf->SetXY($x, $y);
```

## Faculty Feedback System

---

```
$pdf->MultiCell(8,5, $vg,0 , L, false);
$x+=21;
$pdf->SetXY($x, $y);
$pdf->MultiCell(8,5, $go,0 , L, false);
$x+=23;
$pdf->SetXY($x, $y);
$pdf->MultiCell(8,5, $avge,0 , L, false);
$x+=17;
$pdf->SetXY($x, $y);
$pdf->MultiCell(8,5, $poor,0 , L, false);
$pdf->Line(7,$y+6,205,$y+6);
$sexmai+=$exc;
$vgmai+=$vg;
$avgmai+=$avge;
$gomai+=$go;
$pooremai+=$poor;
// for signature of corresponding People
$pdf->Text(27,285,'Faculty');
$pdf->Text(100,285,'Principal');
$pdf->Text(173,285,'HOD');
}
$num=($sexmai+$vgmai+$avgmai+$gomai+$pooremai)/$qucount;
$fg=((($sexmai*5)+($vgmai*4)+($gomai*3)+($avgmai*2)+($pooremai*1))/($qucount);
$fg=round($fg,2);
$result='NONE';
$fg=$fg/$num;
if($fg<3.0){
$result="POOR";
}else if($fg<=3.5){
$result="AVERAGE";
```

## Faculty Feedback System

---

```
}else if($fg<=4.0){
$result="GOOD";
}else if($fg<=4.5){
$result="VERY GOOD";
}else if($fg<=5.0){
$result="EXCELLENT";
}
$ab=$rowfac[0];
$cb=$rowsub[0];
$pdf->SetFontSize(10);
$pdf->Text($x,$y+5,"Total No of Grades");
$pdf->SetFontSize(8);
$pdf->SetXY(106, $y);
$pdf->MultiCell(8,5, $sexmai,1 , L, false);
$pdf->SetXY(128, $y);
$pdf->MultiCell(8,5, $vgmai,1 , L, false);
$pdf->SetXY(149, $y);
$pdf->MultiCell(8,5, $gomai,1 , L, false);
$pdf->SetXY(172, $y);
$pdf->MultiCell(8,5, $avgmai,1 , L, false);
$pdf->SetXY(189, $y);
$pdf->MultiCell(8,5, $pooremai,1 , L, false);
$pdf->Line(7,$y+6,205,$y+6);
$y+=12;
$pdf->SetFontSize(10);
$pdf->Text(10,$y,'Total No of students appeared are : '.$num);
$fg=round($fg,2);
$pdf->Text(130,$y,'Final Grade : '.$fg);
$pdf->SetFontSize(6);
$y+=5;
$pdf->SetXY(7, $y);
```

## Faculty Feedback System

---

```
$pdf->MultiCell(180,5, 'Grade Marks [< 3 : Poor/ 3 - 3.5: Average / 3.6 - 4 : Good /
4.1 - 4.5 : Very Good / 4.6 - 5 : Excellent]',0 , L, false);
$pdf->SetFontSize(10);
$pdf->Text(130,$y+4,'Result  : '.$result);
$y+=15;
//to set remarks for each faculty
$pdf->setFontSize(15);
$pdf->Text(7,$y,"Remarks");
$pdf->SetFontSize(6);
if($fg<=3.5){
$sql=mysql_query("select faculty_number from faculty where faculty_name='$ab'");
$a=mysql_fetch_array($sql);
$sql1=mysql_query("select max(poor) from report where faculty_number='$a[0]'");
$sql2=mysql_query("select max(average) from report where
faculty_number='$a[0]'");
$asd=mysql_fetch_array($sql1);
$asdfg=mysql_fetch_array($sql2);
$sql3=mysql_query("select question_number from report where
faculty_number='$a[0]' and poor='$asd[0]' ");
$sql4=mysql_query("select question_number from report where
faculty_number='$a[0]' and average='$asdfg[0]' ");
$sas=mysql_fetch_array($sql3);
$asdfgh=mysql_fetch_array($sql4);
$pdf->SetFontSize(10);
$pdf->SetXY(10,180);
$pdf->SetFontSize(8);
switch($sas[0]){
case 1:
$pdf->Text(10,180,"Teacher does not come to class on time");break;
case 2:
```

## Faculty Feedback System

---

```
$pdf->Text(10,180,"Teacher does not come Well planned and prepared");break;
break;
case 3:
$pdf->Text(10,180,"Teacher does not Speaks clearly and audibly");break;
case 4:
$pdf->Text(10,180,"Teacher does not Provide examples of concepts / principles,
explanations are done effectively");break;
case 5:
$pdf->Text(10,180,"Teacher does not Writes and Draws Legibly");break;
case 6:
$pdf->Text(10,180,"Teacher does not encourages questioning / raising doubts by
students and answer them well");break;
case 7:
$pdf->Text(10,180,"Teacher is not courteous and impartial in dealing with
students");break;
case 8:
$pdf->Text(10,180,"Teacher does not engages classes regularly and maintains
discipline");break;
case 9:
$pdf->Text(10,180,"Teacher does not covers the syllabus completely at appropriate
pace");break;
case 10:
$pdf->Text(10,180,"Teacher is not prompt in valuing and returning the answer scripts
providing feedback on performance",1,C,false);break;
default:
$pdf->Text(10,180,"**NO REMARKS**");break;
}
$yax=185;
$pdf->SetFontSize(8);
switch($asdfgh[0]){
case 1:
```

## Faculty Feedback System

---

```
$pdf->Text(10,$yax,"Teacher does not come to class on time");break;
case 2:
$pdf->Text(10,$yax,"Teacher does not come Well planned and prepared");break;
break;
case 3:
$pdf->Text(10,$yax,"Teacher does not Speaks clearly and audibly");break;
case 4:
$pdf->Text(10,$yax,"Teacher does not Provide examples of concepts / principles,
explanations are done effectively");break;
case 5:
$pdf->Text(10,$yax,"Teacher does not Writes and Draws Legibly");break;
case 6:
$pdf->Text(10,$yax,"Teacher does not encourages questioning / raising doubts by
students and answer them well");break;
case 7:
$pdf->Text(10,$yax,"Teacher is not courteous and impartial in dealing with
students");break;
case 8:
$pdf->Text(10,$yax,"Teacher does not engages classes regularly and maintains
discipline");break;
case 9:
$pdf->Text(10,$yax,"Teacher does not covers the syllabus completely at appropriate
pace");break;
case 10:
$pdf->Text(10,$yax,"Teacher is not prompt in valuing and returning the answer
scripts providing feedback on performance",1,C,false);break;
default:
$pdf->Text(10,$yax,"**NO REMARKS**");break;

}

}
```

## Faculty Feedback System

---

```
else{
$pdf->SetFontSize(8);
$pdf->Text(10,180,"**NO REMARKS**");
}
$y+=20;

//to get suggestion
$pdf->SetXY(7,$y+5);
$sqlsug=mysql_query("select * from suggestions where acc_id='$row[0]'");
$sugrow=mysql_fetch_array($sqlsug);
$pdf->SetFontSize(13);
$pdf->Text(7,$y,'Suggestions:');
$y+=8;
$num=0;
$pdf->SetFontSize(8);
$i=0;
while($sugrow&& $i<12){
$i++;
$num++;
$pdf->SetXY(9,$y);
$pdf->MultiCell(200,6,$num.'.'. $sugrow[2],1 , L, false);
$y+=5;
$sugrow=mysql_fetch_array($sqlsug);
}
$pdf->SetFontSize(8);
mysql_query("insert into conreport values('$ab','$cb','$fg','$result')");

}
```

## Faculty Feedback System

---

```
//consolidation report add a page
$pdf->AddPage('P','A4');
$sql=mysql_query("select * from now_accessing");
$row=mysql_fetch_array($sql);

//to get discipline name
$sql1=mysql_query("select disp_name from discipline where
disp_number='$row[1]'");
$row1=mysql_fetch_array($sql1);

//to get branch name
$sql2=mysql_query("select branch_name from branch where
branch_number='$row[2]'");
$row2=mysql_fetch_array($sql2);

//to get Year Number
$sql3=mysql_query("select year_number from year where year_id='$row[3]'");
$row3=mysql_fetch_array($sql3);

//to get sem Number
$sql4=mysql_query("select sem_number from semester where sem_id='$row[4]'");
$row4=mysql_fetch_array($sql4);

//to get section Name
$sqlsec=mysql_query("select section_name from section where
section_number='$row[6]'");
$rowsec=mysql_fetch_array($sqlsec);

// Setting font and color
$pdf->SetFont('Helvetica');
$pdf->SetTextColor(0, 0, 0);
```

## Faculty Feedback System

---

```
$pdf->SetXY(90, 10);
$pdf->Image('./reports/logo.png', 30 , 5, 150);
//display college details
$pdf->SetFontSize(15);
$pdf->SetXY(70, 8);
$pdf->MultiCell(110, 5, $rowcol[0] ,0 , L, false);
$pdf->SetFontSize(7);
$a=$rowcol[1].', Accrediated to '.$rowcol[2].'.$rowcol[3].'.$rowcol[4].'
'.$rowcol[5];
$pdf->SetXY(70, 13.5);
$pdf->MultiCell(100, 5, $a ,0 , L, false);
$pdf->SetFontSize(15);
$pdf->Line(7,26,205,26);
$pdf->SetFontSize(11);
$pdf->Text(70,30,'STUDENT FEEDBACK REPORT');
$pdf->SetFontSize(8);
$pdf->Text(74,33.5,'Class wise consolidation report');

//display date
$pdf->SetFontSize(9);
$pdf->SetXY(160, 30);
$pdf->Write(0,'DATE:');
$pdf->SetXY(170, 30);
$pdf->SetFontSize(9);
$pdf->Write(0, $day.'-'. $mon.'--'. $year);
$pdf->SetFontSize(8);

//grades text
$pdf->Text(40,37,'Grade Marks [< 3 : Poor/ 3 - 3.5: Average / 3.6 - 4 : Good / 4.1 -
4.5 : Very Good / 4.6 - 5 : Excellent]');
```

## Faculty Feedback System

---

```
//for first tab fill row
$pdf->SetXY(7, 40);
$pdf->SetFillColor(255, 0, 0);
$pdf->MultiCell(200,10, ' ',1,L,true);
//for second tab fill row
$pdf->SetXY(7,70);
$pdf->SetFillColor(255, 255, 0);
$pdf->MultiCell(200,10, ' ',1,L,true);
//titles in first tab
$pdf->SetFontSize(10);
$pdf->Text(15,46,'Academic Year');
$pdf->Text(60,46,'Course / Semester');
$pdf->Text(115,46,'Branch');
$pdf->Text(147,46,'Section');
$pdf->Text(175,46,'Regulation');
//titles in second tab
$pdf->Text(15,76,'Faculty Name');
$pdf->Text(66,76,'Subject Name');
$pdf->Text(115,76,'Points');
$pdf->Text(147,76,'Grade');
$pdf->Text(175,76,'Remarks');

//details in first tab
//to display Academic Year
$pdf->SetXY(15,58);
if($mont<6){
$pdf->MultiCell(20,5,($year-1).'-'.$year,1,C,false);
}else{
$pdf->MultiCell(20,5,($year).'-'.($year+1),1,C,false);
}
$pdf->SetXY(50,58);
```

## Faculty Feedback System

---

```
$pdf->MultiCell(50,5,$row1[0].' - '.$row3[0].' Year- '.$row4[0].' Semester',1,C,false);
```

```
$pdf->SetXY(115,58);
```

```
$pdf->MultiCell(20,5,$row2[0],1,C,false);
```

```
$pdf->SetXY(145,58);
```

```
$pdf->MultiCell(20,5,$rowsec[0],1,C,false);
```

```
$pdf->SetXY(170,58);
```

```
$pdf->MultiCell(30,5,$rowsch[0],1,C,false);
```

```
$connow=mysql_query("select * from conreport");
```

```
//report main for loop
```

```
for($mai=1;$mai<=$count;$mai++){
```

```
$conrowac=mysql_fetch_array($connow);
```

```
$pdf->SetFontSize(9);
```

```
//line after each faculty
```

```
$pdf->Line(7,80+($mai*20),205,80+($mai*20));
```

```
//to display name at each row
```

```
$pdf->SetXY(7,66+($mai*20));
```

```
$pdf->MultiCell(40,5,$conrowac[0],0,C,false);
```

```
//to display subject at each row
```

```
$pdf->SetFontSize(8);
```

```
$pdf->SetXY(60,62+($mai*20));
```

```
$pdf->MultiCell(40,5,$conrowac[1],0,C,false);
```

```
//to display grade at each row
```

```
$pdf->SetFontSize(9);
```

```
$pdf->SetXY(115,66+($mai*20));
```

```
$pdf->MultiCell(10,5,$conrowac[2],0,C,false);
```

```
//to display result at each row
```

## Faculty Feedback System

---

```
$pdf->SetXY(142,66+($mai*20));
$pdf->MultiCell(24,5,$conrowac[3],0,C,false);
//to display remarks
if($conrowac[2]<3.0){
$sql=mysql_query("select faculty_number from faculty where
faculty_name='$conrowac[0]'");
$a=mysql_fetch_array($sql);
$sql1=mysql_query("select max(poor) from report where faculty_number='$a[0]'");
$asd=mysql_fetch_array($sql1);
$sql2=mysql_query("select question_number from report where
faculty_number='$a[0]' and poor='$asd[0]' ");
$sas=mysql_fetch_array($sql2);
//$sql3=mysql_query("select question_name from question where
question_number='$sas[0]'");
//$asdf=mysql_fetch_array($sql3);
$pdf->SetFontSize(6);
$pdf->SetXY(170,60+($mai*20));
switch($sas[0]){
case 1:
$pdf->SetFontSize(8);
$pdf->SetXY(170,62+($mai*20));
$pdf->MultiCell(28,5,"Teacher does not come to class on time",0,C,false);break;
case 2:
$pdf->SetFontSize(8);
$pdf->SetXY(170,63+($mai*20));
$pdf->MultiCell(28,5,"Teacher does not come Well planned and
prepared",0,C,false);break;
case 3:
$pdf->SetFontSize(8);
$pdf->SetXY(170,64+($mai*20));
$pdf->MultiCell(28,5,"Teacher does not Speaks clearly and audibly",0,C,false);break;
```

## Faculty Feedback System

---

case 4:

```
$pdf->MultiCell(28,5,"Teacher does not Provide examples of concepts / principles, explanations are done effectively",0,C,false);break;
```

case 5:

```
$pdf->SetFontSize(8);
```

```
$pdf->SetXY(170,66+($mai*20));
```

```
$pdf->MultiCell(28,5,"Teacher does not Writes and Draws Legibly",0,C,false);break;
```

case 6:

```
$pdf->MultiCell(28,5,"Teacher does not encourages questioning / raising doubts by students and answer them well",0,C,false);break;
```

case 7:

```
$pdf->SetFontSize(7);
```

```
$pdf->SetXY(170,64+($mai*20));
```

```
$pdf->MultiCell(28,5,"Teacher is not courteous and impartial in dealing with students",0,C,false);break;
```

case 8:

```
$pdf->SetFontSize(7);
```

```
$pdf->SetXY(170,66+($mai*20));
```

```
$pdf->MultiCell(28,5,"Teacher does not engages classes regularly and maintains discipline",0,C,false);break;
```

case 9:

```
$pdf->SetFontSize(7);
```

```
$pdf->SetXY(170,60+($mai*20));
```

```
$pdf->MultiCell(28,5,"Teacher does not covers the syllabus completely at appropriate pace",0,C,false);break;
```

case 10:

```
$pdf->MultiCell(28,5,"Teacher is not prompt in valuing and returning the answer scripts providing feedback on performance",1,C,false);break;
```

```
}
```

```
}
```

```
else{
```

```
$pdf->SetFontSize(8);
$pdf->SetXY(170,66+($mai*20));
$pdf->MultiCell(28,5,"**NO REMARKS**",0,C,false);
}
}
$pdf->SetFontSize(9);
$pdf->Text(27,285,'Principal');
$pdf->Text(170,285,'HOD');
$prin=$row1[0].' '.$row2[0].' '.$row3[0].'-Year '.$row4[0].'-sem '.$Section-
'.$rowsec[0].'.pdf';

$pdf->Output($prin,F);
$pdf->Output();

$pdf->close();

//echo "<meta http-equiv='refresh' content='0;url=/feedback/sendmail.php'>";
?>
```

### 5.5.2 CodeFor Dynamic Changing Of Options In Select Box

The below code is for dynamic changing of the options for select box in the project.

```
<?php
include('validate.php');
include('database_connect.php');
if($_POST['id'])
{
$cid=$_POST['id'];
$sql=mysql_query("select branch_number,branch_name from branch where
disp_number='$cid'");
```

## Faculty Feedback System

---

```
echo '<option>select a branch </option>';
mysql_query("update temp set disp='$id' where sno=27");
while($row=mysql_fetch_array($sql))
{
    $id=$row['branch_number'];
    $data=$row['branch_name'];
    echo '<option value="'. $id. "'>'. $data. '</option>';
}
}
if($_POST['newid'])
{
    $id=$_POST['newid'];
    $sql=mysql_query("select faculty_number,faculty_name from faculty where
branch_number='$newid'");
    echo '<option>select a branch </option>';
    while($row=mysql_fetch_array($sql))
    {
        $id=$row['faculty_number'];
        $data=$row['faculty_name'];
        echo '<option value="'. $id. "'>'. $data. '</option>';
    }
}
if($_POST['id1'])
{
    $id=$_POST['id1'];
    $sql=mysql_query("select year_id,year_number from year where
disp_number='$id'");
    echo '<option>select a year </option>';
    while($row=mysql_fetch_array($sql))
    {
        $id=$row['year_id'];
```

## Faculty Feedback System

---

```
$data=$row['year_number'];
echo '<option value="'. $id. "'>'. $data. '</option>';
}
}
if($_POST['id2'])
{
$id=$_POST['id2'];
mysql_query("update temp set year='$id' where sno=27");
$as=mysql_query("select * from temp where sno=27");
$rowas=mysql_fetch_array($as);
$sql=mysql_query("select * from year where year_id='$id'");
$row=mysql_fetch_array($sql);
$sql1=mysql_query("select branch_number from branch where
disp_number='$row[2]'");
$row1=mysql_fetch_array($sql1);
$sql2=mysql_query("select sem_id,sem_number from semester where
disp_number='$rowas[0]' and branch_number='$rowas[1]' and year_number='$id'");
echo '<option>select a semester </option>';
while($row2=mysql_fetch_array($sql2))
{
$id=$row2[0];
$data=$row2[1];
echo '<option value="'. $id. "'>'. $data. '</option>';
}
}
if($_POST['id3'])
{
$id3=$_POST['id3'];
mysql_query("update temp set branch='$id3' where sno=27");
$sql=mysql_query("select subject_number,subject_name from subject where
branch_number='$id3'");
```

## Faculty Feedback System

---

```
while($row=mysql_fetch_array($sql))
{
$Sid=$row['subject_number'];
$data=$row['subject_name'];
echo '<option value="'. $id. "'>'. $data. '</option>';
}
}
if($_POST['id4'])
{
$Sid=$_POST['id4'];
mysql_query("update temp set sem='$Sid' where sno=27");
$sql=mysql_query("select disp_number,year_number,branch_number from semester
where sem_id='$Sid'");
$res=mysql_fetch_array($sql);
$sql2=mysql_query("select section_number,section_name from section where
branch_number='$res[2]' and year_id='$res[1]'");
echo '<option>select a section </option>';
while($row2=mysql_fetch_array($sql2))
{
$Sid=$row2[0];
$data=$row2[1];
echo '<option value="'. $id. "'>'. $data. '</option>';
}
}
if($_POST['id27'])
{
$id3=$_POST['id27'];
$sql=mysql_query("select * from faculty where branch_number='$id3'");
while($row=mysql_fetch_array($sql))
{
$Sid=$row[0];
```

## Faculty Feedback System

---

```
$data=$row[1];
echo '<option value="'. $id. "'>'. $data. '</option>';
}
}
if(isset($_GET['dels'])){
    $id=$_GET['dels'];
    mysql_query("delete from results");
    mysql_query("delete from report");
    mysql_query("delete from suggestions");
    mysql_query("delete from now_accessing");
    mysql_query("delete from faculty_mapping where sem_id='$id'");
    mysql_query("delete from subject_mapping where sem_id='$id'");
    mysql_query("delete from subject_mapping2 where sem_id='$id'");
    echo "<meta http-equiv='refresh' content='0;url=/feedback/mapping-to-
subjects.php'>";
}
?>
```

## **6. TESTING AND VALIDATION**

The completion of a system is achieved only after it has been thoroughly tested. Though this gives a feel the project is completed, there cannot be any project without going through this stage. Hence in this stage it is decided whether the project can undergo the real time environment execution without any break downs, therefore a package can be rejected even at this stage if it doesn't reaches the specified requirements.

### **6.1 INTRODUCTION**

Software testing is the process of evaluating a software item to detect differences between given input and expected output, also to assess the feature of a software item. Testing assesses the quality of the product. Software testing is process that should be done during the development process. In other words software testing is a verification and validation process

### **6.2 DESIGN OF TEST CASES AND SCENARIOS**

There are two basics of software testing.

- Black box testing
- White box testing

#### **6.2.1 Black box Testing**

Black box testing is a testing technique that ignores the internal mechanism of the system and focuses on the output generated against any input and execution of the system. It is also called functional testing.

#### **6.2.2 White box testing**

White box testing is a testing technique that takes into account the internal mechanism of a system. It is also called structural testing and glass box testing. Black box testing is often used for validation and white box testing is often used for verification.

### **6.3 TYPES OF TESTING**

There are different levels during the process of testing. Levels of testing include the different methodologies that can be used while conducting software testing. Functional testing and Non-Functional testing are the main levels of testing. These are some of the Functional testing's done with our project.

## **6.3.1 System Testing**

Testing is a set of activities that can be planned in advance and conducted systematically. The proposed system is tested in parallel with the software that consists of its own phases of analysis, implementation, testing and maintenance. Following are the tests conducted on the system.

## **6.3.2 Unit Testing**

During the implementation of the system each module of the system was tested separately to uncover errors within its boundaries. User interface was used as a guide in the process. The goal of unit testing is to isolate each part of the program and show that individual parts are correct in terms of requirements and functionality. The object of this testing is to verify correctness of the module. The purpose of unit testing is to check that as individual parts are functioning as expected. All modules are verified by the unit testing.

## **6.3.3 Integration Testing**

System Integration Testing is started after the individual software modules are integrated as a group. This testing is mainly focuses on the modules at the time integrating those modules. Integration testing is a systematic technique for constructing the program structure while conducting tests to uncover errors associated with interfacing. The objective is to take unit-tested module and build a program structure that has been dictated by design. There are two methods of doing Integration Testing. They are Bottom-up Integration testing and Top down Integration testing. We are check after integrating the modules, they are communicating each other.

## **6.3.4 ACCEPTANCE TESTING**

The software has been tested with the realistic data given by the client and produced fruitful results. The client satisfying all the requirements specified by them has also developed the software within the time limitation specified. A demonstration has been given to the client and the end-user giving all the operational features.

## 6.4 TEST CASES

Test case id	Test Case	Expected Result	Result Shown	Result
1	Invalid user name and password	To show that invalid username and password	Invalid username and password	Success
2	User misses any mandatory field	Should show a popup message with the missing field	Popup shown with missing field	Success
3	Entering the duplicate data	Should show a popup with a message already inserted data	Popup shown with message already inserted data	Success

**Table 6.1 Test Cases**

## **7. CONCLUSION**

Finally we conclude that our project student feedback system is an efficient system to take the feedback from the students and generate report for each faculty, consolidation report for the entire class. These reports help the management and faculty to effectively teach students. These systems is tested on different test cases and showed positive result.

## **REFERENCES**

### **BOOKS**

- “HTML BLACK BOOK” by STEVEN HOLZNER.
- “LEARNING PHP, MYSQL, AND JAVA SCRIPT” by ROBIN NIXON.

### **WEBSITES REFERRED**

- <http://stackoverflow.com/questions/>
- <http://w3schools.com/>
- <http://fpdf.org/>