

# **PLACEMENT CELL**

**A Project Report**

**Submitted in partial fulfillment of the  
Requirements for the award of the Degree of**

**BACHELOR OF SCIENCE (COMPUTER SCIENCE)**

**By**

**GOUNDER PADMA MURUGAN**

**SEAT NO. 513**

**Under the esteemed guidance of**

**Mr. Ashish Modi**

**Assistant Professor**



**DEPARTMENT OF COMPUTER SCIENCE**

**NAGINDAS KHANDWALA COLLEGE**

**(Autonomous Institute)**

*(Affiliated to University of Mumbai)*

**MUMBAI - 400064**

**MAHARASHTRA**

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## PROFORMA FOR THE APPROVAL OF PROJECT PROPOSAL

PNR NO.: \_\_\_\_\_

Roll No. 513

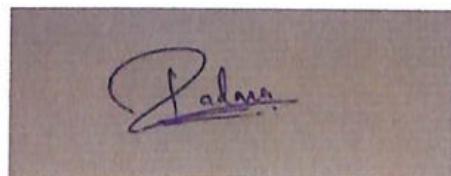
1. Name of the Student: Gounder Padma Murugan

2. Title of the Project: Placement Cell

3. Name of the Guide: Modi Ashish Mahesh

4. Teaching Experience of the Guide: 4 years

5. Is this your first submission: Yes



Signature of the Student



Signature of the Guide

Date: 09/02/2021

Date: \_\_\_\_\_



Signature of the Coordinator:

Date:

## NAGINDAS KHANDWALA COLLEGE

(Affiliated to University of Mumbai)

MUMBAI-MAHARASHTRA-400064

### DEPARTMENT OF COMPUTER SCIENCE



### CERTIFICATE

This is to certify that the project titled, "Placement Cell", is the bonafide work of **Padma Gounder** bearing **Seat. No: 513** submitted in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF SCIENCE** in **COMPUTER SCIENCE** from the University of Mumbai.

A handwritten signature in blue ink.

Internal Guide

A handwritten signature in blue ink.

Coordinator

External Examiner

EXAMINED

Date: 12 APR 2021



College Seal

## **ABSTRACT**

The project named “Placement Cell”, a student/College information system is a web-based system. The project is developed for being presently used in the university for storing and retrieving the information of the student who are registered in the Placement cell. It maintains a large database of the student where all the information of student including all the personal records and the academic performance. And the company information includes a profile of the company, eligibility criteria, and facilities it provides, etc. The system can be used for college to manage the student information with regards to placement details. This project contains all the details of the students that can be viewed by all the users (read-only) but can be modified only by the student with an authorized service. The students can update their information only.

Placement Cell is developed as an attempt to make a record of students by restricting such a large database to that of a particular class of students. The system provides the facility of viewing both the personal and academic information of the student and company it can also search for eligible students and also insertion and deletion of records by the admin.

## **ACKNOWLEDGEMENT**

The success and final outcome of this project required a lot of guidance and assistance from many people and I am extremely privileged to have got this all along the completion of our project. I express my sincere thanks to our project Guide **Mr. Ashish Modi**, Asst. prof in the Computer Science department for timely help and providing us with the most essential material required for the completion of this report.

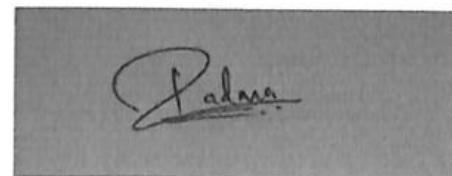
We are grandly indebted to our professor and Coordinator **Dr. Sindhu P.M.** dept., of Computer Science and Information Technology We would be thankful to all teaching and non-teaching staff of the Department of Computer Science for the cooperation given for the successful completion of the project.

We regard our sincere thanks to our principal **Dr. Mrs. Ancy Jose** for providing support and stimulating environment. We would like to express our gratitude to the management of **Nagindas Khandwala College** for providing us with a pleasant Environment and an Excellent lab facility

## **DECLARATION**

I hereby declare that the project entitled, "Placement Cell" done **at the place where the project is done**, has not been in any case duplicated to submit to any other university for the award of any degree. To the best of my knowledge other than me, no one has submitted to any other university.

The project is done in partial fulfillment of the requirements for the award of the degree of **BACHELOR OF SCIENCE (COMPUTER SCIENCE)** to be submitted as a final semester project as part of our curriculum.



**Name and Signature of the Student**

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## **Chapter 1**

### **Introduction**

The “Placement Cell” has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardship faced by this existing system. Moreover, this system is designed for the particular need of the company to carry out operations smoothly and effectively. The application is reduced as much as possible to avoid errors while entering the date. It also provides an error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all, it proves it is user-friendly. Placement Cell, as described above, can lead to an error-free, secure, reliable, and fast management system. It can assist the user to concentrate on their other activities rather than concentrate on the record-keeping. Thus it will help organize in better utilization of resources.

This project is the point at developing an online application for the Training and Placement Department of the college. The system is an online application that can be accessed through the organization and outside as well with proper login provided. This system can be used as an application for the people’s operator of the college to manage the student information with regards to placement. Student login should be able to upload the CV/Resume. Recruiter representative login may also search for the student details or any information uploaded by the Student.

In our proposed System you will save time as well as money as it is a web-based application. We can collect information about all college students and fetch them according to the criteria given by the company. We have three modules Admin, Student, Company. Admin has full access reserved over the system. Students can mainly upload their CV and can

download resources by Admin and Company. A company can register and give their criteria for placement.

## **1.1 Background**

The placement cell is to identify talented and qualified professionals before they complete their education. It provides employment opportunities to students who are pursuing or in the final stage of completing the course. This process reduces the time for an industry to pick the candidates according to their needs. It is a cumbersome activity and hence the majority of the companies find it difficult to trace the right talent. Many students do not understand the importance of placement training that is being imparted, whether it is aptitude training or soft skills. They show the least interest in this due to various factors viz., projects, assignments, or more of activities loaded by the colleges as part of their curriculum thinking that it is not useful. It is the responsibility of the companies training on placement to make the students equipped on all aspects of career development along with creating a very good impact in them which makes them feel every minute they spend in the placement training session is worth being there and will help them in getting placed in their dream companies.

## **1.2 Objectives**

The main objective of the Project on Training and Placement Management The system is to manage the details of Training, Placement, Student, CGPA Marks, Technical Skill. It manages all the information about Training, Placement Cell, Technical Skill, Training. The project is totally built at the administrative end and thus only the administrator is guaranteed access. The purpose of the project is to build an application program to reduce the manual work for managing the Training, Placement, Placement Cell, Student. It tracks all the details about the Student, CGPA Marks, Technical Skill

This project is aimed at developing an online application for the Placement dept. of the College. The system is an online application that can be accessed throughout the organization

and outside as well with proper login provided this system can be used as an application for the placement in the college to manage the student details with regards to placement. All the resumes sent by the student can be maintained in the database.

It reduces the paperwork and storage area. Saves time and workload for the students and staff. It has a user-friendly interface and easy to access. Having authenticated access to documentation

### **1.3 Purpose and Scope**

#### **1.3.1 Purpose**

For training and placement of the student in colleges, we have to collect the information and CV's of student and manages them manually, and arranges them according to various Stream. If any modification is required that is to be also done manually, So, to reduce the job required to manage CV's and the information of various recruiters, a new system is proposed which is processed through companies.

#### **1.3.2 Scope**

The project covers a wide scope. We can store information about all the students. Students can upload their Resume and personal details they can maintain and update. Various companies can able to see the student's resume and details of the student. Students can access previous information about placement. We can store information about all students. Various companies can access their information. Notifications are sent to students about the companies.

#### **1.3.3 Applicability**

It is a web based application which can be run on different devices like computers, Mobile phones and tablets because all it need is just a web browser. Since it is a web based application so on client side there is no need of checking what type of software and hardware they are using.

## **1.4 Achievements:**

This project has helped me in learning more similar projects and how to make the project more creative. The more I was working on my project; I gained more knowledge and learned more interesting features and how to design my web page more creatively. This project has helped me to improve my programming skills and how to manage my time and consume time.

It helped me to explore more similar projects and gain more information and knowledge about them. I'm keen to learn more about different programming languages and to work on other projects. Goals and Requirements are established and Interface and program are designed with chosen functionality.

## **1.5 Organization of Report:**

The topics which covered in next chapters is to identify which technologies is to use implement project and gathers requirements of project, analyse the project why we are taking this project, find the hardware and software requirements, design the system, implementing and testing the project simultaneously. We will take about some diagrams and how it helps to achieve our main goal. And some part of database for the project.

## **Chapter 2**

### **System Analysis**

#### **2.1 Existing System**

All processes in the existing system are handled manually. All the work that is done in the existing system is done by human intervention. As all the work is done manually, there was a lot of workload on the placement officer and it also increases the maximum chances of errors. To make this laborious job simple the clients have to computerize the system. This is so slow and time-consuming. Due to an increase in the number of users, the process becomes more difficult. Problems faced in the existing system are as follows-

- Here searching for eligible candidates takes lots of time. And sometimes some candidates' details may be missed
- The records were stored in modified excel sheets hence the sorting problem.
- The duplication of records as usual hence data redundancy.
- The placement cell has to collect all the information and Resumes of students and organize them manually and sort them according to various streams.
- It takes too much time to manage, update, and informing specific students of specific company criteria.

## **2.2 Proposed System**

The proposed Desktop-based recommendation system to give more easiness to the user for they can retrieve or add more information quickly. Once you open this website you will see the front end so this is available to everyone. In that, all users have their login is available. There are mainly two users Admin and student. In each user have different functions such as for Admin manages the students database this database should be delete or modify for better performance. When Admin has to get a login, Then he adds some additional information to the database this information is required for the student. In that when the company is coming to our college and so on When a student has a login, they see a profile in that he/she fills in some details such as the qualification and he/she upload the resume. The system provides a better way to maintain students' information in the database, ensures data correctness and data integrity as well.

## **2.3 Requirement Analysis**

Requirements analysis is the process of defining what the user requires from the system and defining the requirements clearly and in an unambiguous state. The outcome of the requirement analysis is software developing activities. Thus it deals with understanding the problem goals and constraints. This specification part mainly focuses on what had been found during the analysis. A requirement is a relatively short and concise piece of information, expressed as a fact. It can be written as a sentence or can be expressed using some kind of diagram. Requirements are divided into two major types functional and nonfunctional.

- **Functional requirements:** Following is a list of functionalities of the system. More functionality that you find appropriate can be added to this list. And, in places where the description of functionality is not adequate, you can make appropriate assumptions and proceed.
  - What inputs the system should accept.
  - What outputs the system should produce.
  - What data the system must store.

**Introduction:** Placement Cell is total management and informative system, which provides up-to-date information on all the students in a particular college. Placement cell helps the colleges to overcome the difficulty in keeping records of hundreds and thousands of students and searching for a student eligible for recruitment criteria from the whole thing. It helps in the effective and timely utilization of hardware and software resources.

**Inputs:** The Admin handles the entire system. The role of the administrator in the system is to upload information like students information, job information, company information, etc.,

- Log in to the system through the first page of the application

**Requirement Specification:** Complete specification of the system (with appropriate assumptions) constitutes this milestone. A document detailing the same should be written and a presentation on that be made.

**Database Creation:** A database should be created, as per the rules for maintenance of the records.

**Implementation of The Front-End:** Implementation of the main screen giving the login, screen that follows the login giving various options, screens for each of the options are provided

**Integrating The Front-End with The Database:** The front-end developed in the earlier milestone will now be able to update the database. Other features like mail notification etc should be functional at this stage. In short, the system should be ready for integration testing.

**Processing:** As the system is an information-oriented project and there are no certain calculations only database storage and the view is provided.

**STORAGE DATA:** In this, we store all the details of students, company information, and recruiter information.

**Outputs:** The project provides information required by the organization.

- **Non-Functional Requirements:** Non-functional requirements are the constraints that must be adhered to during development. They limit what resources can be used and set bounds on aspects of the software's quality.

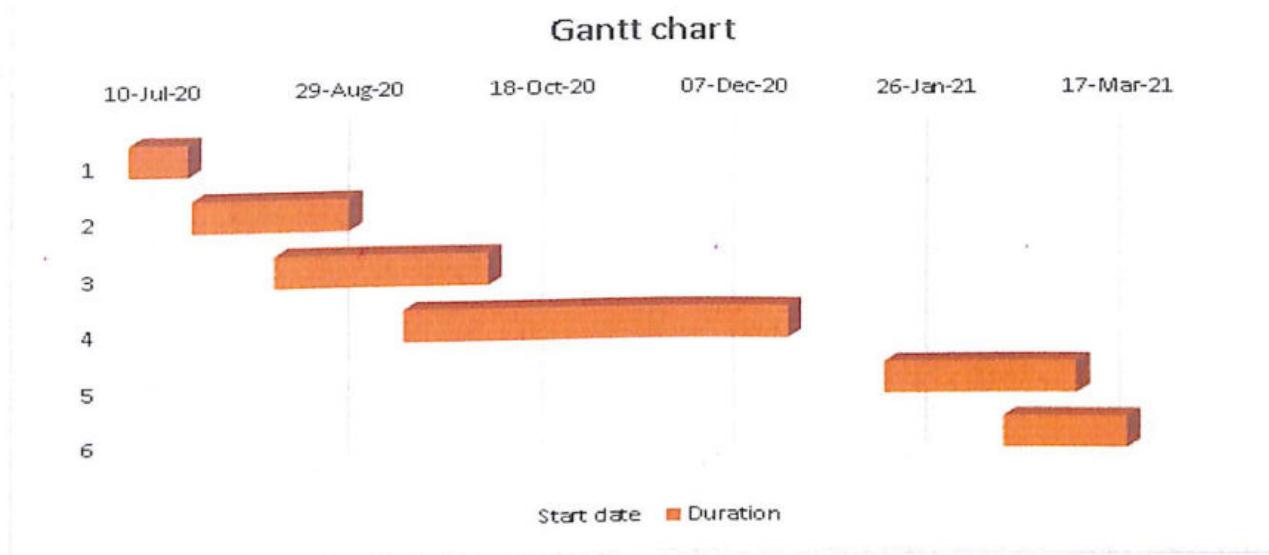
**Interfaces:** The User Interface is a GUI developed using HTML, CSS

**Performance Requirements:** The product performance needs to be assessed on certain characteristics.

**Input:** The inputs that the student gives i.e., user id and password are very important.

**Gantt table:**

Task	Task Name	Start Date	End Date	Duration
Task 1	Requirement Gathering	10-jul-2020	25-jul-2020	15
Task 2	Requirement Analysis	26-jul-2020	15-Aug-2020	40
Task 3	System Design	16-Aug-2020	17-Sep-2020	55
Task 4	Coding	18-Sep-2020	20-Dec-2020	100
Task 5	Testing	21-jan-2021	20-Feb-2021	50
Task 6	Evaluation	21-Feb-2021	25-Mar-2021	40



## 2.4 Hardware Requirements

1.	<b>Operating system</b>	Window XP/Windows
2.	RAM	2GB or more
3.	Processor	Intel Core i3 or higher processor 2GHz
4.	System Type	64 bit or 32 bit

## 2.5 Software requirements:

<b>1.</b>	<b>Front end development tool</b>	<b>Html, CSS, Javascript</b>
<b>2.</b>	<b>Backend development tool</b>	<b>Php</b>
<b>3.</b>	<b>Database</b>	<b>Mysqli</b>
<b>4.</b>	<b>Browser</b>	<b>Chrome, Firefox, Opera</b>
<b>5.</b>	<b>Server</b>	<b>Xampp Server</b>
<b>6.</b>	<b>IDE</b>	<b>Visual Code</b>

## **2.6 Justification for the selection of Technology**

- **HTML:** HTML: Hyper Text Mark-up Language, commonly referred to as HTML, is the standard mark-up language used to create web pages. Web browsers can read HTML files and render them into visible or audible web pages. HTML describes the structure of a website semantically along with cues for presentation, making it a markup language, rather than a programming language. To put it in a more web-based context, HTML makes sure the page is usable on a variety of devices and browsers and provides a structure for adding CSS, JavaScript, and the content of the website or application itself.
- **CSS:** Cascading Style Sheets (CSS) is a style sheet language used for describing

the look and formatting of a document written in a mark-up language. HTML was NEVER intended to contain tags for formatting a web page. HTML was created to describe the content of a web page, like: <h1>This is a heading</h1> <p>This is a paragraph. </p> When tags like <font>, and color attributes were added to the HTML 3.2 specification, it started a nightmare for web developers. The development of large websites, where fonts and color information were added to every single page, became a long and expensive process. To solve this problem, the World Wide Web Consortium created CSS.

- **JavaScript:** JavaScript that can add interactivity to a website. JavaScript itself is relatively compact, yet very flexible. JavaScript is a scripting or programming language that allows you to implement complex features on web pages — every time a web page does more than just sit there and display static information for you to look at — displaying timely content updates, interactive maps, etc. It is the third layer of the layer cake of standard web technologies, two of which (HTML and CSS). Browser Application Programming Interfaces built into web browsers, providing functionality such as dynamically creating HTML and setting CSS styles.

- **PHP:** The PHP Hypertext Pre-processor (PHP) is a programming language that allows web developers to create dynamic content that interacts with databases. PHP is basically used for developing web-based software applications. This tutorial helps you to build your base with PHP

- **MySQL:** MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications. MySQL is developed, marketed, and supported by MySQL AB, which is a Swedish company. This tutorial will give you a quick start to MySQL and make you comfortable with MySQL programming.

- **XAMPP Server:** XAMPP is one of the widely used cross-platform web servers, which helps developers to create and test their programs on a local

webserver. It was developed by the Apache Friends, and its native source code can be revised or modified by the audience. It is an open-source package of web solutions that includes Apache distribution for many servers and command-line executables along with modules such as Apache server, MariaDB, PHP, and Perl.

## **Chapter 3: System Design**

### **3.1 Module Division**

- Admin Module:**

The admin is the placement officer who views the student's details and company details and post the selected students list. Sending an email to the student for a complete list of information for a particular campus

- Login

- View Company Details
- View student's feedback form
- View / Delete Student Details
- Add / Remove Test
- Add / Remove Event
- Logout

- **Student Module:**

In this module, the creation of student input records about academic career from SSC, HSC, and all semester with facilities to modify the records and viewing changed records. The Student views the company details and verifies particular company details and provides valid details for registration.

- Login
- Register
- Give feedback
- Practice Mock Test
- Enter Educational Details
- Get notification
- Logout

### **3.2 Data Dictionary:**

#### **Applicant Registration:**

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
□ 1	<b>id</b> 📃	int(11)			No	None		AUTO_INCREMENT
□ 2	<b>firstName</b>	varchar(50)	utf8mb4_general_ci		No	None		
□ 3	<b>lastName</b>	varchar(50)	utf8mb4_general_ci		No	None		
□ 4	<b>email</b>	varchar(50)	utf8mb4_general_ci		No	None		
□ 5	<b>number</b>	bigint(10)			No	None		
□ 6	<b>gender</b>	enum('m', 'f', 'o')	utf8mb4_general_ci		No	None		
□ 7	<b>password</b>	varchar(20)	utf8mb4_general_ci		No	None		

## Student's academic detail form

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(11)			No	None		AUTO_INCREMENT
2	<b>fname</b>	varchar(255)	utf8mb4_general_ci		No	None		
3	<b>lname</b>	varchar(255)	utf8mb4_general_ci		No	None		
4	<b>email</b>	varchar(255)	utf8mb4_general_ci		No	None		
5	<b>mobilenumber</b>	int(50)			No	None		
6	<b>collegename</b>	varchar(200)	utf8mb4_general_ci		No	None		
7	<b>cregistrationno</b>	varchar(100)	utf8mb4_general_ci		No	None		
8	<b>gender</b>	varchar(20)	utf8mb4_general_ci		No	None		
9	<b>year</b>	int(10)			No	None		
10	<b>department</b>	varchar(255)	utf8mb4_general_ci		No	None		
11	<b>password</b>	varchar(100)	utf8mb4_general_ci		No	None		
12	<b>resume</b>	varchar(255)	utf8mb4_general_ci		No	None		

## Admin registration :

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	<b>id</b> 	int(50)			No	None		AUTO_INCREMENT
2	<b>ad_name</b>	varchar(255)	utf8mb4_general_ci		No	None		
3	<b>ad_password</b>	varchar(255)	utf8mb4_general_ci		No	None		
4	<b>ad_email</b>	varchar(255)	utf8mb4_general_ci		No	None		

## Feedback:

#	Name	Type	Collation	Attributes	Null	Default
1	<b>id</b>	text	utf8_general_ci		No	None
2	<b>name</b>	varchar(50)	utf8_general_ci		No	None
3	<b>email</b>	varchar(50)	utf8_general_ci		No	None
4	<b>subject</b>	varchar(500)	utf8_general_ci		No	None
5	<b>feedback</b>	varchar(500)	utf8_general_ci		No	None
6	<b>date</b>	date			No	None
7	<b>time</b>	varchar(50)	utf8_general_ci		No	None

## Test:

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	<b>eid</b>	text	utf8_general_ci		No	None
<input type="checkbox"/>	2	<b>title</b>	varchar(100)	utf8_general_ci		No	None
<input type="checkbox"/>	3	<b>sahi</b>	int(11)			No	None
<input type="checkbox"/>	4	<b>wrong</b>	int(11)			No	None
<input type="checkbox"/>	5	<b>total</b>	int(11)			No	None
<input type="checkbox"/>	6	<b>time</b>	bigint(20)			No	None
<input type="checkbox"/>	7	<b>intro</b>	text	utf8_general_ci		No	None
<input type="checkbox"/>	8	<b>tag</b>	varchar(100)	utf8_general_ci		No	None
<input type="checkbox"/>	9	<b>date</b>	timestamp			No	current_timestamp()

#### Options On the test:

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	<b>qid</b>	varchar(50)	utf8_general_ci		No	None
<input type="checkbox"/>	2	<b>option</b>	varchar(5000)	utf8_general_ci		No	None
<input type="checkbox"/>	3	<b>optionid</b>	text	utf8_general_ci		No	None

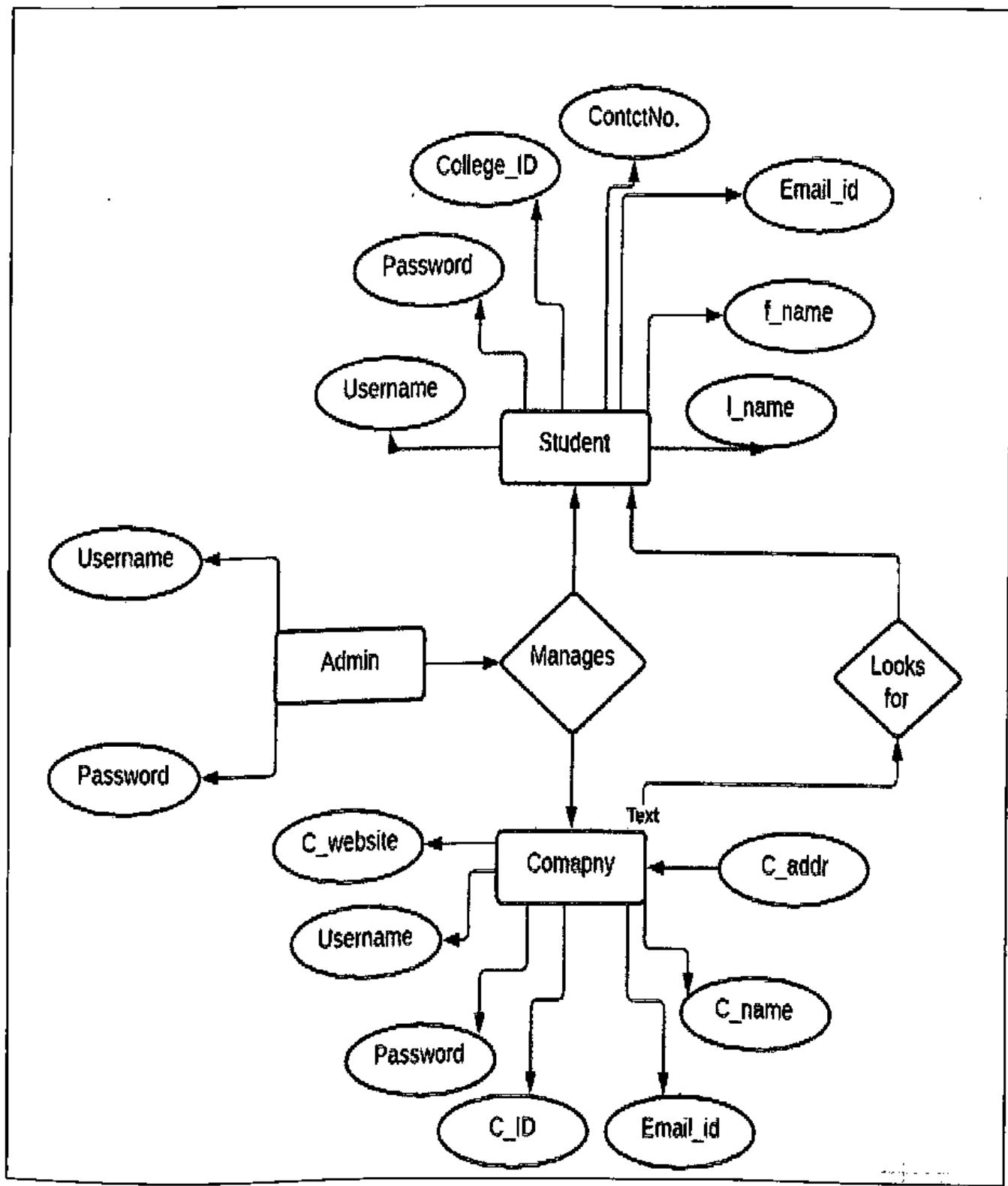
#### Questions:

	#	Name	Type	Collation	Attributes	Null	Default
<input type="checkbox"/>	1	<b>eid</b>	text	utf8_general_ci		No	None
<input type="checkbox"/>	2	<b>qid</b>	text	utf8_general_ci		No	None
<input type="checkbox"/>	3	<b>qns</b>	text	utf8_general_ci		No	None
<input type="checkbox"/>	4	<b>choice</b>	int(10)			No	None
<input type="checkbox"/>	5	<b>sn</b>	int(11)			No	None

#### Answers:

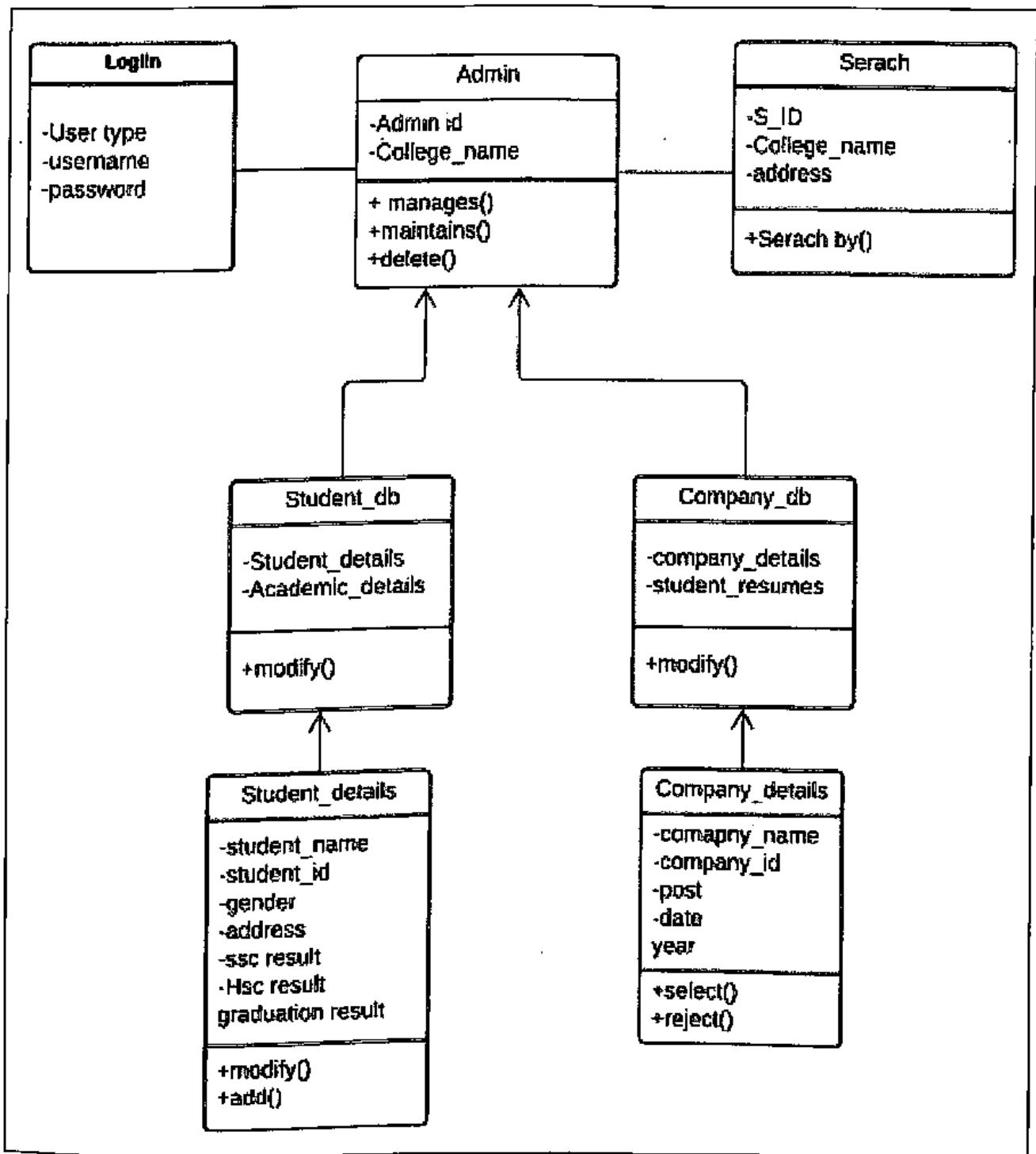
#	Name	Type	Collation	Attributes	Null	Default
1	qid	text	utf8_general_ci		No	None
2	ansid	text	utf8_general_ci		No	None

### 3.3 ER Diagram:

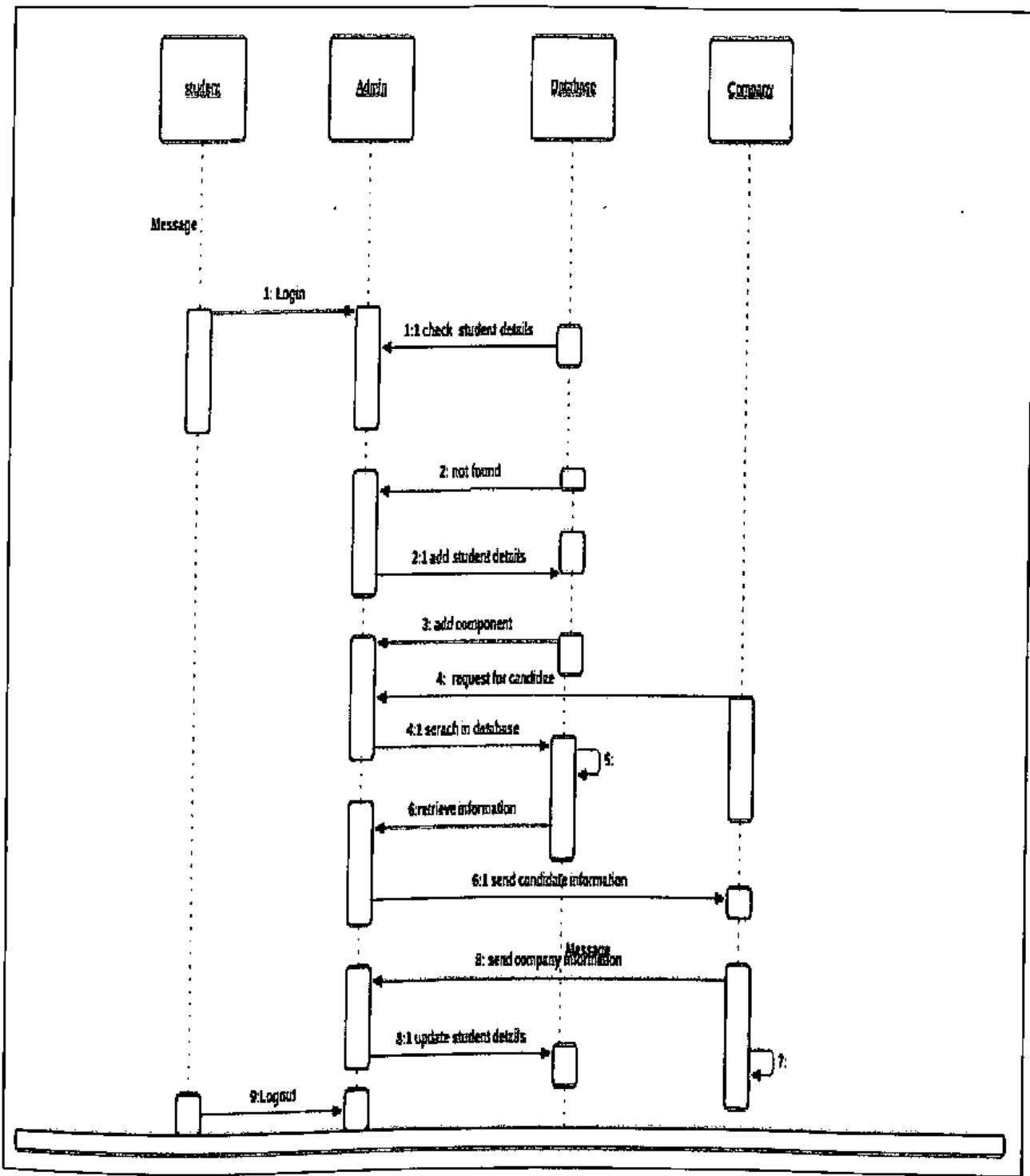


### 3.4 UMLdiagrams:

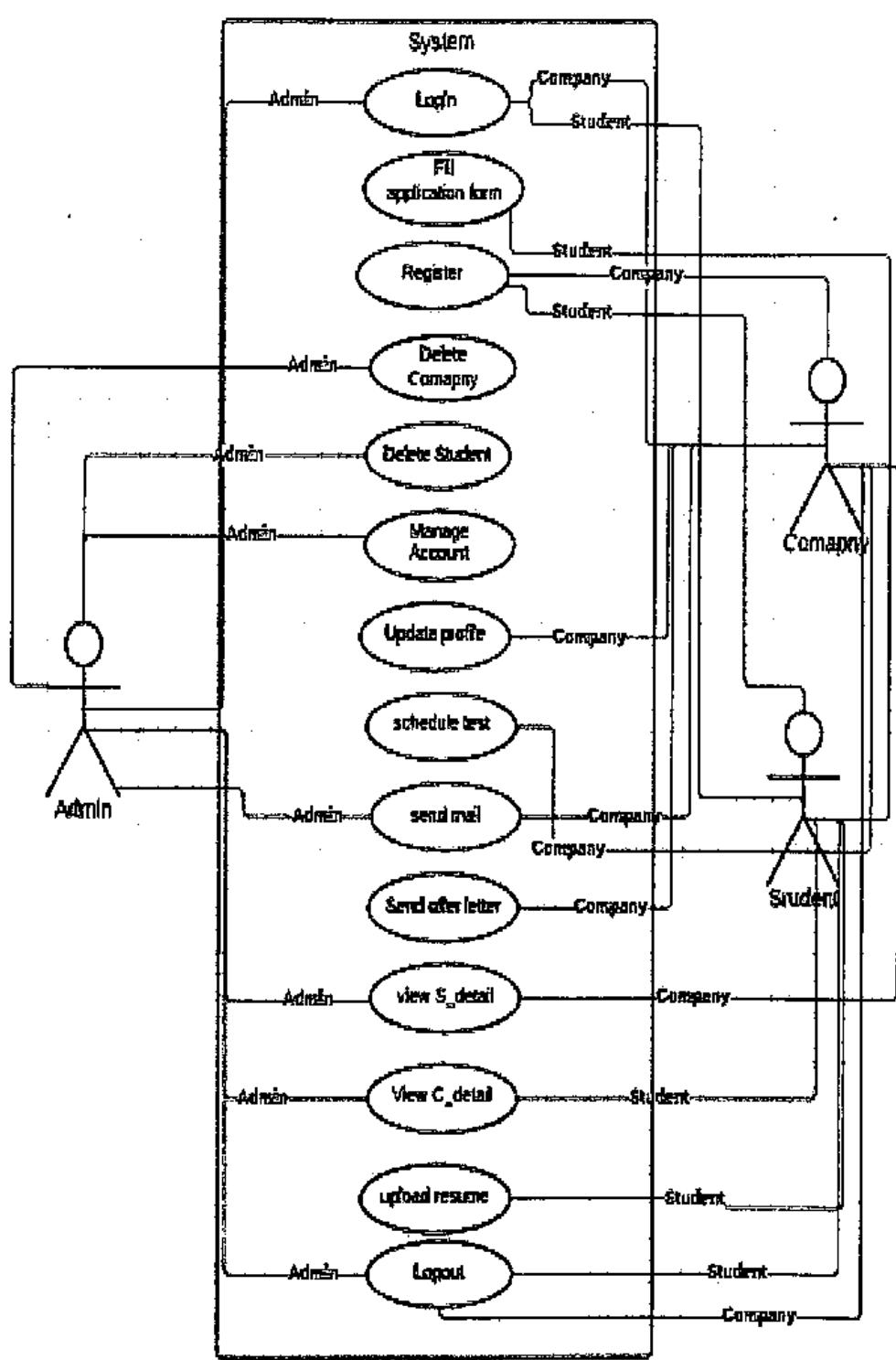
### 3.4.1 Class Diagram:



### 3.4.2 Sequence Diagram:



### 3.4.3 Use case Diagram;



## Chapter 4 Implementation and Testing

## 4.1 Code (Place Core segments)

### Login.html

```
<div class="sub-main-w3 pt-md-4">
    <form action = "PHP/login.php" method = "POST">

        <div class="form-style-agile form-group">
            <label>
                Email id
                <i class="fas fa-user"></i>
            </label>
            <input placeholder="Email id" class="form-control" name="Name" type="text" required="">
        </div>
        <div class="form-style-agile form-group">
            <label>
                Password
                <i class="fas fa-unlock-alt"></i>
            </label>
            <input placeholder="Password" class="form-control" name="Password" type="password" required="Please enter your password" >
        </div>

        <!-- switch-->
        <ul class="list-unstyled list-login">
            <li class="switch-agileits float-left">
                <label class="switch text-capitalize">
                    <input type="checkbox">
                    <span class="slider-switch round"></span>
                    keep me signed in
                </label>
            </li>
        </ul>
        <!-- //switch -->
        <input type="submit" value="Log In">
        <p class="text-center dont-do mt-4 text-white">Don't have an account?
            <a href="register.html" class="text-white font-weight-bold">
                Register Now</a>
        </p>
    </form>
</div>
<!-- //content -->
</div>
</div>
```

## Register.html

```
<div class="login-w3ls py-5">
    <div class="container py-xl-5 py-lg-3">
        <h3 class="title text-capitalize font-weight-light text-dark text-center mb-5">register
            <span class="font-weight-bold">now</span>
        </h3>
        <!-- content -->
        <div class="sub-main-w3 pt-md-4">
            <form action="PHP/connection.php" method="POST">
                <div class="form-style-agile form-group">
                    <label>
                        First Name
                        <i class="fas fa-user"></i>
                    </label>
                    <input placeholder="First Name" class="form-control" name="firstName" type="text" required="">
                </div>
                <div class="form-style-agile form-group">
                    <label>
                        Last Name
                        <i class="fas fa-user"></i>
                    </label>
                    <input placeholder="Your Name" class="form-control" name="lastName" type="text" required="">
                </div>
                <div class="form-style-agile form-group">
                    <label>
                        Email
                        <i class="fas fa-envelope"></i>
                    </label>
                    <input placeholder="Email" class="form-control" name="email" type="email" required="">
                </div>
                <div class="form-style-agile form-group">
                    <label>
                        Contact Number
                        <i class="fas fa-phone" aria-hidden="true"></i>
                    </label>
                    <input placeholder="Mobile Number" class="form-control" name="number" type="number" required="">
                </div>
                <div class="form-style-agile form-group">
                    <label for="gender" Gender></label>
                    <i class="fas fa-user"></i>
                </div>
            </form>
        </div>
    </div>
</div>
```

```

        <label for="male" class="radio-
inline"><input type="radio" name="gender" id="male">Male</label>
        <label for="female" class="radio-
inline"><input type="radio" name="gender" id="female">Female</label>
        <label for="male" class="radio-
inline"><input type="radio" name="gender" id="others">Others</label>
    </div>

</div>

<div class="form-style-agile form-group">
    <label>
        Password
        <i class="fas fa-unlock-alt"></i>
    </label>
    <input placeholder="Password" class="form-
control" name="password" id="password1" type="password" required="">
</div>

<input type="submit" button= register value="Register">
<p class="text-center dont-do mt-4 text-
white">Already have an account?
    <a href="login.html" class="text-white font-weight-
bold">
        Login Now</a>
    </p>
</form>
</div>
<!-- //content -->
</div>
</div>

```

## Register database;

```

<?php
$firstName = $_POST['firstName'];
$lastName = $_POST['lastName'];
$email = $_POST['email'];
$number = $_POST['number'];
$password = $_POST['password'];
$password = $_POST['password'];

//database connection
$conn = new mysqli('localhost:3307','root','','login');
if($conn->connect_error){
    die('connection Failed : ' . $conn->connect_error);
}
else{

```

```

$stmt = $conn -
>prepare("insert into student_registration(firstName, lastName, email, number
, gender, password)values(?,?,?,?,?,?)");
$stmt-
>bind_param("sssisss",$firstName, $lastName, $email, $number, $gender, $password);
$stmt->execute();
echo "Registered Successfully";
$stmt->close();
$conn->close();
}

?>

```

### Login database:

```

<?php

include('config.php');

if(isset($_POST['login_btn']))
{
    $email_login = $_POST['emaill'];
    $password_login = $_POST['passwordd'];

    $query = "SELECT * FROM student_registration WHERE email='$email_login' A
ND password='$password_login' LIMIT 1";
    $query_run = mysqli_query($connection, $query);

    if(mysqli_fetch_array($query_run))
    {
        $_SESSION['username'] = $email_login;
        header('Location: Admin/indexi.html');
    }
    else
    {
        $_SESSION['status'] = "Email / Password is Invalid";
        header('Location: Admin/indexi.html');
    }
}
?>

```

```
<?php if(@$_GET['q']==0) {
```

```

$result = mysqli_query($conn,"SELECT * FROM quiz ORDER BY date DESC") or die('
Error');
echo '<div class="panel"><div class="table-
responsive"><table class="table table-striped title1">
<tr><td><b>S.N.</b></td><td><b>Topic</b></td><td><b>Total question</b></td><td>
<b>Marks</b></td><td><b>Time limit</b></td><td></td></tr>';
$c=1;
while($row = mysqli_fetch_array($result)) {
    $title = $row['title'];
    $total = $row['total'];
    $sahi = $row['sahi'];
    $time = $row['time'];
    $eid = $row['eid'];
$q12=mysqli_query($conn,"SELECT score FROM history WHERE eid='$eid' AND email=
'$email'" )or die('Error98');
$rowcount=mysqli_num_rows($q12);
if($rowcount == 0){
    echo '<tr><td>'.$c++.'
    <td>'.$title.'
    <td>'.$total.'
    <td>'.$sahi*$total.'
    <td>'.$time.'&ampnbspmin</td>
    <td><b><a href="account.php?q=quiz&step=2&eid='.$eid.'&n=1&t='.$total.'" cla
ss="pull-
right btn sub1" style="margin:0px;background:#99cc32"><span class="glyphicon g
lyphicon-new-window" aria-
hidden="true"></span>&ampnbsp<span class="title1"><b>Start</b></span></a></b></t
d></tr>';
}
else
{
echo '<tr style="color:#99cc32"><td>'.$c++.'
    <td>'.$title.'&ampnbsp<span tit
le="This quiz is already solve by you" class="glyphicon glyphicon-ok" aria-
hidden="true"></span><td>'.$total.'
    <td>'.$sahi*$total.'
    <td>'.$time.'&ampnbspmin</td>
    <td><b><a href="update.php?q=quizre&step=25&eid='.$eid.'&n=1&t='.$total.'" c
lass="pull-
right btn sub1" style="margin:0px;background:red"><span class="glyphicon g
lyphicon-repeat" aria-
hidden="true"></span>&ampnbsp<span class="title1"><b>Restart</b></span></a></b><
/td></tr>';
}
}
$c=0;
echo '</table></div></div>';

}
<!--users start-->
<?php if(@$_GET['q']==1) {

```

```

$result = mysqli_query($conn,"SELECT * FROM user") or die('Error');
echo '<div class="panel"><div class="table-
responsive"><table class="table table-striped title1">
<tr><td><b>S.N.</b></td><td><b>Name</b></td><td><b>Gender</b></td><td><b>Colle
ge</b></td><td><b>Email</b></td><td><b>Mobile</b></td><td></td></tr>';
$c=1;
while($row = mysqli_fetch_array($result)) {
    $name = $row['name'];
    $mob = $row['mob'];
    $gender = $row['gender'];
    $email = $row['email'];
    $college = $row['college'];

    echo '<tr><td>'.$c++.'
    <td>'.$name.'
    <td>'.$gender.'
    <td>'.$college.'
    <td>'.$email.'
    <td>'.$mob.'
    <td><a title="Delete User" href="update.php?demail='.$email.'"><b><span clas
s="glyphicon glyphicon-trash" aria-hidden="true"></span></b></a></td></tr>';
}
$c=0;
echo '</table></div></div>';

}?
<!--user end-->

<!--feedback start-->
<?php if(@$_GET['q']==3) {
$result = mysqli_query($conn,"SELECT * FROM `feedback` ORDER BY `feedback`.`da
te` DESC") or die('Error');
echo '<div class="panel"><div class="table-
responsive"><table class="table table-striped title1">
<tr><td><b>S.N.</b></td><td><b>Subject</b></td><td><b>Email</b></td><td><b>Dat
e</b></td><td><b>Time</b></td><td><b>By</b></td><td></td><td></td></tr>';
$c=1;
while($row = mysqli_fetch_array($result)) {
    $date = $row['date'];
    $date= date("d-m-Y",strtotime($date));
    $time = $row['time'];
    $subject = $row['subject'];
    $name = $row['name'];
    $email = $row['email'];
    $id = $row['id'];
    echo '<tr><td>'.$c++.'
    echo '<td><a title="Click to open feedback" href="dash.php?q=3&fid='.$id.'">
    '.$subject.'</a></td><td>'.$email.'
    <td>'.$date.'
    <td>'.$time.'
    <td>'.$name.'
    <td><a title="Open Feedback" href="dash.php?q=3&fid='.$id.'"><b><span clas
s="glyphicon glyphicon-folder-open" aria-hidden="true"></span></b></a></td>';
```

```

echo '<td><a title="Delete Feedback" href="update.php?fdid='.$id.'"><b><span
class="glyphicon glyphicon-trash" aria-hidden="true"></span></b></a></td>
</tr>';
}
echo '</table></div></div>';
}
?>
<!--feedback closed-->

<!--feedback reading portion start-->
<?php if(@$_GET['fid']) {
echo '<br />';
$id=@$_GET['fid'];
$result = mysqli_query($conn,"SELECT * FROM feedback WHERE id='$id' ") or die(
'Error');
while($row = mysqli_fetch_array($result)) {
    $name = $row['name'];
    $subject = $row['subject'];
    $date = $row['date'];
    $date= date("d-m-Y",strtotime($date));
    $time = $row['time'];
    $feedback = $row['feedback'];

echo '<div class="panel"><a title="Back to Archive" href="update.php?q1=2"><b><
span class="glyphicon glyphicon-level-up" aria-
hidden="true"></span></b></a><h2 style="text-align:center; margin-top:-
15px;font-family: "Ubuntu", sans-serif;"><b>'.$subject.'</b></h1>';
    echo '<div class="mCustomScrollbar" data-mcs-theme="dark" style="margin-
left:10px;margin-right:10px; max-height:450px; line-
height:35px;padding:5px;"><span style="line-height:35px;padding:5px;">-
&nbsp;<b>DATE:</b>&nbsp;'.$date.'</span>
<span style="line-
height:35px;padding:5px;">&nbsp;<b>Time:</b>&nbsp;' . $time . '</span><span style=
"line-
height:35px;padding:5px;">&nbsp;<b>By:</b>&nbsp;'.$name.'</span><br />' . $feedb
ack.'</div></div>';}
?>
<!--Feedback reading portion closed-->

<!--add quiz start-->
<?php
if(@$_GET['q']==4 && !(@$_GET['step'])) ) {
echo '
<div class="row">
<span class="title1" style="margin-left:40%;font-
size:30px;"><b>Enter Quiz Details</b></span><br /><br />

```

```
<div class="col-md-3"></div><div class="col-md-6">    <form class="form-horizontal" title1" name="form" action="update.php?q=addquiz" method="POST">
<fieldset>

<!-- Text input-->
<div class="form-group">
    <label class="col-md-12 control-label" for="name"></label>
    <div class="col-md-12">
        <input id="name" name="name" placeholder="Enter Quiz title" class="form-control input-md" type="text">
    </div>
</div>

<!-- Text input-->
<div class="form-group">
    <label class="col-md-12 control-label" for="total"></label>
    <div class="col-md-12">
        <input id="total" name="total" placeholder="Enter total number of questions" class="form-control input-md" type="number">
    </div>
</div>

<!-- Text input-->
<div class="form-group">
    <label class="col-md-12 control-label" for="right"></label>
    <div class="col-md-12">
        <input id="right" name="right" placeholder="Enter marks on right answer" class="form-control input-md" min="0" type="number">
    </div>
</div>

<!-- Text input-->
<div class="form-group">
    <label class="col-md-12 control-label" for="wrong"></label>
    <div class="col-md-12">
        <input id="wrong" name="wrong" placeholder="Enter minus marks on wrong answer without sign" class="form-control input-md" min="0" type="number">
    </div>
</div>

<!-- Text input-->
<div class="form-group">
```

```

<label class="col-md-12 control-label" for="time"></label>
<div class="col-md-12">
<input id="time" name="time" placeholder="Enter time limit for test in minutes" class="form-control input-md" min="1" type="number">

</div>
</div>

<!-- Text input-->
<div class="form-group">
<label class="col-md-12 control-label" for="tag"></label>
<div class="col-md-12">
<input id="tag" name="tag" placeholder="Enter #tag which is used for searching" class="form-control input-md" type="text">

</div>
</div>

<!-- Text input-->
<div class="form-group">
<label class="col-md-12 control-label" for="desc"></label>
<div class="col-md-12">
<textarea rows="8" cols="8" name="desc" class="form-control" placeholder="Write description here..."></textarea>
</div>
</div>

<div class="form-group">
<label class="col-md-12 control-label" for=""></label>
<div class="col-md-12">
<input type="submit" style="margin-left:45%" class="btn btn-primary" value="Submit" class="btn btn-primary"/>
</div>
</div>

</fieldset>
</form></div>';

}

?>
<!--add quiz end-->

<!--add quiz step2 start-->
<?php
if(@$_GET['q']==4 && (@$_GET['step'])==2 ) {

```

```

echo '
<div class="row">
<span class="title1" style="margin-left:40%;font-size:30px;"><b>Enter Question Details</b></span><br /><br />
<div class="col-md-3"></div><div class="col-md-6"><form class="form-horizontal title1" name="form" action="update.php?q=addqns&n='.$_GET['n']. '&id='.$_GET['eid'].'&ch=4 " method="POST">
<fieldset>
';

for($i=1;$i<=@$_GET['n'];$i++)
{
echo '<b>Question number '.$i.' :</b><br /><!-- Text input-->
<div class="form-group">
<label class="col-md-12 control-label" for="qns'.$i.'"></label>
<div class="col-md-12">
<textarea rows="3" cols="5" name="qns'.$i.'" class="form-control" placeholder="Write question number '.$i.' here..."></textarea>
</div>
</div>
<!-- Text input-->
<div class="form-group">
<label class="col-md-12 control-label" for="'.$i.'1"></label>
<div class="col-md-12">
<input id="'.$i.'1" name="'.$i.'1" placeholder="Enter option a" class="form-control input-md" type="text">

</div>
</div>
<!-- Text input-->
<div class="form-group">
<label class="col-md-12 control-label" for="'.$i.'2"></label>
<div class="col-md-12">
<input id="'.$i.'2" name="'.$i.'2" placeholder="Enter option b" class="form-control input-md" type="text">

</div>
</div>
<!-- Text input-->
<div class="form-group">
<label class="col-md-12 control-label" for="'.$i.'3"></label>
<div class="col-md-12">
<input id="'.$i.'3" name="'.$i.'3" placeholder="Enter option c" class="form-control input-md" type="text">

</div>
</div>
<!-- Text input-->

```

```

<div class="form-group">
    <label class="col-md-12 control-label" for=".{$i.'4"}></label>
    <div class="col-md-12">
        <input id=".{$i.'4}" name=".{$i.'4}" placeholder="Enter option d" class="form-control input-md" type="text">
    </div>
</div>
<br />
<b>Correct answer</b>:<br />
<select id="ans'.'.$i.'" name="ans'.'.$i.'" placeholder="Choose correct answer " class="form-control input-md" >
    <option value="a">Select answer for question '.$i.'</option>
    <option value="a">option a</option>
    <option value="b">option b</option>
    <option value="c">option c</option>
    <option value="d">option d</option> </select><br /><br />';
}

echo '<div class="form-group">
    <label class="col-md-12 control-label" for=""></label>
    <div class="col-md-12">
        <input type="submit" style="margin-left:45%" class="btn btn-primary" value="Submit" class="btn btn-primary"/>
    </div>
</div>

</fieldset>
</form></div>';

}

?><!--add quiz step 2 end-->

<!--remove quiz-->
<?php if(@$_GET['q']==5) {

$result = mysqli_query($conn,"SELECT * FROM quiz ORDER BY date DESC") or die('
Error');
echo '<div class="panel"><div class="table-
responsive"><table class="table table-striped title1">
<tr><td>S.N.</td><td>Topic</td><td>Total question</td><td>
<b>Marks</b></td><td>Time limit</b></td><td></td></tr>';
$c=1;
while($row = mysqli_fetch_array($result)) {
    $title = $row['title'];
    $total = $row['total'];
    $sahi = $row['sahi'];

```

```
$time = $row['time'];
$eid = $row['eid'];
echo '<tr><td>'.$c++. '</td><td>'.$title. '</td><td>'.$total. '</td><td>'.$sahi
*$total.'</td><td>'.$time.'&nbsp;min</td>
<td><b><a href="update.php?q=rmquiz&eid='.$eid.'" class="pull-
right btn sub1" style="margin:0px;background:red"><span class="glyphicon glyphicon-
trash" aria-
hidden="true"></span>&nbsp;<span class="title1"><b>Remove</b></span></a></b></
td></tr>';
}
$c=0;
echo '</table></div></div>';

}
?>
```

## **4.2 Testing Approach**

There are three types of software testing approaches.

1. White Box Testing
2. Black Box Testing
3. Grey Box Testing

### **White Box Testing:**

It is also called Glass Box, Clear Box, Structural Testing. White Box Testing is based on the application's internal code structure. In white-box testing, an internal perspective of the system, as well as programming skills, are used to design test cases. This testing is usually done at the unit level.

### **Black Box Testing:**

It is also called Behavioral/Specification-Based/Input-Output Testing. Black Box Testing is a software testing method in which testers evaluate the functionality of the software under test without looking at the internal code structure.

### **Grey Box Testing:**

The grey box is the combination of both White Box and Black Box Testing. The tester who works on this type of testing needs to have access to design documents. This helps to create better test cases in this process.

### **Cocomo model:**

It is the one type of static model to estimates software development effort quickly and roughly. It mainly deals with the number of lines of code and the level of estimation accuracy is less as we don't consider the all parameters belongs to the project. The estimated effort and scheduled time for the project are given by the relation:

$$\text{Effort (E)} = a * (\text{KLOC})^b \text{ MM}$$

$$\text{Scheduled Time (D)} = c * (E)^d \text{ Months(M)}$$

- **E** = Total effort required for the project in Man-Months (MM).
- **D** = Total time required for project development in Months (M).
- **KLOC** = the size of the code for the project in Kilo lines of code.
- **a, b, c, d** = The constant parameters for a software project.

**ORGANIC:** Relatively small, simple software projects in which small teams with good application experience work to a set of less than rigid requirements.

**SEMI-DETACHED:** An intermediate, (in size and complexity), a software project in which teams with mixed experience levels must meet a mix of rigid and less than rigid requirements.

**EMBEDDED:** A software project that must be developed within a set of tight hardware, software and operation constraints.

	Organic	Semi-detached	Embedded
Variable A	2.4	3	3.6
Variable B	1.05	1.12	1.2
Variable C	2.5	2.5	2.5
Variable D	0.38	0.35	0.32
KLOC	2500	2500	2500
Effort (In Person / Month)	8872.545819769886	19178.47472108669	43035.86249055165
Duration (In months)	79.10398164827969	78.87237731594715	75.99163212384266

#### **4.2.1 Unit Testing (Test cases and Test Results)**

Unit Testing is done to check whether the individual modules of the source code are working properly, i.e. testing each and every unit of the application separately by the developer in the developer's environment. It is AKA Module Testing or Component Testing. To learn about Unit Testing

#### **4.2.2 Integration System (Test cases and Test Results)**

Integration Testing is the process of testing the connectivity or data transfer between a couple of units tested modules. It is AKA I&T Testing or String Testing. It is subdivided into the Top-Down Approach, Bottom-Up Approach, and Sandwich Approach (Combination of Top-Down and Bottom-Up)

Test Id	Test Purpose	Test condition	Expected Outcome	Actual Outcome	Result
TC1	Check Username and Password	If Username and password are incorrect display error messages	Display error message and redirect to the same page.	User successfully logs into the system upon Incorrect details.	Fails
TC2	Check Username and Password	If Username and password are incorrect display error messages	Display error message and redirect to the same page.	User successfully logs into the system upon Incorrect details.	Pass
TC3	Check for valid email id and if user already exists	If the Email id entered is valid and exists	Show error message email already exists	Users registers into the system	Fails
TC4	Check for valid email id and if user already exists	If the Email id entered is valid and exists	Show error message email already exists	Users registers into the system	Pass
TC5	Get notified when event or notice added to the page	If the Students are registered to the cell then they will be get notified to event/notice posted.	Event/notice to be notified in the student's panel	Event/Notice Not notified	Fail
TC6	Registered Students Details displayed on Admin Panel	Registered Students Particular Details Should be displayed in tabular format	Details Should be displayed in the table	Details Not displayed in the table	Fail

## CHAPTER 5: RESULTS AND DISCUSSION

## Home Page:



## Contact us page:

The screenshot shows a web browser window for 'PlacementCell' at 'localhost:6081/web/contactus.html'. The page has a dark header with a navigation bar and a 'Contact Us' section. The 'Contact Us' section contains fields for 'Username', 'EmailId', 'Mobile No.', 'comment', and a 'Submit' button.

Contact Us

Username

EmailId

Mobile No.

comment

Submit

## Registration Form:

The screenshot shows a registration form titled "Register Now" on a web page. The form fields include:

- First Name
- Last Name
- Email
- Contact Number
- Mobile Number
- Gender (radio buttons for Male, Female, Others)
- Password
- A blue "Register" button.

Below the form, a link says "Already have an account? [Login Now](#)".



## Login Page:

localhost:8080/Placement/login.html

Home Applicant Admin Internships About Contact US

## Login Now

Email Id

Password

Keep Me Signed In

[Forgot Password?](#)

[Log In](#)

Don't have an account? [Register Now](#)

## Admin Panel:

localhost:8080/Admin/login.html

Placement cell		Home	Student's detail	Search	Q																																								
	Padma																																												
<a href="#">Admin profile</a>																																													
<a href="#">Students</a> < <a href="#">Test</a> < <a href="#">Events</a> < <a href="#">Company</a> < <a href="#">Calendar</a>																																													
LABELS																																													
<input checked="" type="radio"/> Important <input type="radio"/> Warning <input type="radio"/> Informational																																													
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7	student@gmail.com	student	<a href="#">Edit</a>	<a href="#">Delete</a>																																									

Add Quiz section:

← → ⌂ ⌂ localhost:8081/web/Admin/online%20examination/list.php?i=4

## Enter Quiz Details

Programming question

Enter total number of questions

Enter marks on right answer

Enter marks marks on wrong answer without sign

Enter time limit for test in minute

Enter #tag which is used for marking

Write description here...

← → ⌂ ⌂ localhost:8081/web/Admin/online%20examination/list.php?i=4&id=607124999126&n=3

## Enter Question Details

**Question number 1:**  
Write question number 1 here...

Enter option a

Enter option b

Enter option c

Enter option d

**Correct answer:**  
Select answer for question 1

**Question number 2:**  
Write question number 2 here...

Enter option a

## Student's Feedback/ Report Form:

S.N.	Subject	Email	Date	Time	By	File	File
1	Placement cell	nancy@gmail.com	10-04-2021	06:22:56am	nancy		
2	Placement cell	nancy@gmail.com	10-04-2021	06:35:02am	nancy		
3	xyz	padmakounder097@gmail.com	02-04-2021	01:18:55pm	Padma		
4	xyzdsdcd	097.padma@gmail.com	02-04-2021	01:21:58pm	Padma gounder		
5	xyz	padmakounder097@gmail.com	27-03-2021	07:57:54am	Padma		

**xyzdsdcd**

- DATE: 02-04-2021 Time: 01:21:58pm By: Padma gounder  
23344556dfdfcvdtswdsvcv

## Student's Dashboard:

The screenshot shows a web-based student dashboard. On the left, there is a sidebar with a dark background containing navigation links: 'Placement cell' (highlighted), 'Student' (with a student icon), 'Profile' (selected, highlighted in purple), 'Form', 'Practice mock test', 'Notifications', 'Calendar', and 'Feedback Form'. Below these are 'LABELS' with three options: 'Important' (red circle), 'Warning' (yellow circle), and 'Informational' (blue circle). The main content area has a light blue header bar with 'Profile' on the left and 'Home / User Profile' on the right. The main content area displays a user profile for 'Padma Gounder' (Student). It includes a circular profile picture, the name 'Padma Gounder', and the title 'Student'. To the right, there are several sections with icons: 'About Me' (information icon), 'Education' (book icon) with the text 'B.S. in Computer Science from the Mumbai University', 'Location' (location pin icon) with 'Mumbai, Maharashtra', 'Skills' (wrench icon) with 'Javascript PHP Html', and 'Notes' (document icon).

## Student's Form:

The screenshot shows a web-based form titled "STUDENT INFORMATIONS". The form fields include:

- First Name:** Enter name\*
- Last name:** Enter last name
- Email address:** Enter email
- Mobile Number:** Enter number
- college Name:** Enter college name
- college registration Number:** Enter registration number
- Gender:** Select Gender
- Year:** Select Year
- Department:** IT/CS
- Password:** Enter password
- Resume:** Choose file (with Browse and Upload buttons)
- Submit:** A blue button at the bottom left.

## Mock Test:

S.N.	Topic	Total question	Marks	Time limit	Action
1	Technical Question	5	25	5 min	
2	Aptitude Tests	3	18	6 min	
3	Networking	2	4	5 min	
4	C++ Coding	2	4	5 min	
5	Java Coding	5	30	10 min	
6	Python Coding	5	30	10 min	

## Student's Score:

The screenshot shows a web browser window with the URL [localhost:8081/web/Admin/Online%20examination/account.php?&resultid=609ec14097bd](http://localhost:8081/web/Admin/Online%20examination/account.php?&resultid=609ec14097bd). The page title is "Result". It displays the following information:

Total Questions	5
right Answer	3
Wrong Answer	2
Score	15

A "Finish" button is visible at the bottom right of the form area.

## Student's Feedback Form:

The screenshot shows a web browser window with the URL [localhost:8081/web/feedback.php](http://localhost:8081/web/feedback.php). The page title is "FEEDBACK/REPORT A PROBLEM". It contains the following text and form fields:

You can send us your feedback through e-mail on the following e-mail id:  
097.padma@gmail.com

Or you can directly submit your feedback by filling the entries below:

Name:

Subject:

E-Mail address:

Write feedback details...

## **CHAPTER 6: CONCLUSIONS AND FUTURE WORK**

### **6.1 Conclusion**

The conclusion of the Work Done or achieved to give an complete assessment of the completed system. This system is completely secure since every user has their own email id and Passwords. There is no chance of any unauthorized access to the system. The system was designed to give relief to the human work and help to minimize the manual work done by the staffs in gathering the students data and etc.

### **Future Scope of the Project**

- We can also send mail to all students who are eligible for recruitment.
- We can show the overall results of the students.
- Student can be notified about the placement cell regarding any announcements.

## **CHAPTER 7:REFERENCES**

<https://www.w3schools.com/>

<https://www.researchgate.net/>

<https://www.slideshare.net/>

<https://www.youtube.com/>

<https://www.indiabix.com/>

## **CHAPTER 8:GLOSSARY**

**Cocomo model:** Cocomo (Constructive Cost Model) is a regression model based on LOC, i.e number of Lines of Code. It is a procedural cost estimate model for software projects and often used as a process of reliably predicting the various parameters associated with making a project such as size, effort, cost, time and quality.