

DEVELOPMENT OF ONLINE COLLEGE YEARBOOK

Submitted in partial fulfillment of the requirements
for the award of
Bachelor of Engineering degree in Computer Science and Engineering
by

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCHOOL OF COMPUTING**

SATHYABAMA

**INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)**

**Accredited with Grade “A” by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI,
CHENNAI – 600 119
APRIL - 2021**



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this project report is the bonafidework of **DEEPAK.I** (Reg. No. 38290013) & **BASKARAN.L** (Reg. No. 38290008) who carried out the project entitled "**DEVELOPMENT OF ONLINE COLLEGE YEARBOOK**" under our supervision from November, 2020 to April 2021.

Internal Guide

Dr. A. Mary Posonia, M.E., Ph.D.,

Head of the Department

Dr. S. VIGNESHWARI, M.E., Ph.D.,

Submitted for Viva voce Examination held on_____

InternalExaminer

ExternalExaminer

DECLARATION

I, **DEEPAK.I** (Reg. No. 38290013) hereby declare that the Project Report entitled “**DEVELOPMENT OF ONLINE COLLEGE YEARBOOK**” is done by us under the guidance of Associate Professor **Dr. A. Mary Posonia, M.E., Ph.D.**, of the Department of CSE at Sathyabama Institute of Science and Technology is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in Computer Science and Engineering.

DATE:

PLACE: CHENNAI

SIGNATURE OF THE CANDIDATE

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I would like to express my sincere and deep sense of gratitude to my Project Guide **Dr. A. Mary Posonia, M.E., Ph.D.**, for her valuable guidance, suggestions and constant encouragement paved way for the successful completion of my project work.

I wish to express my thanks to all Teaching and Non-teaching staff members of the Department of who were helpful in many ways for the completion of the project.

ABSTRACT

For the CSE department, in our college we want to develop a website which helps in uploading, updating the required information in any form.

This provides accessibility, privacy and is user-friendly as well. With each academic year passing by, new information can be added as per requirement.

This model will aid by collecting data and information's from the students, teachers and showing the given data in the form of tables. Teacher, Student will easily be able to see their information's and achievements.

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CHAPTER 1

INTRODUCTION

1.1 About college Yearbook

The main objective of online yearbook is to view the profile and achievements of the teachers and the achievements done by them. Using this you can view the profile of the students and teachers in the CSE department of the college.

Using this you can view or update data and information about students and staff easily. This system helps in managing the activity like student profile, student achievements. Admin can also retrieve information of student and teacher any time.

The ONLINE COLLEGE YEARBOOK can be used to store student information like their profile and their achievements etc. admin can create report regarding any student any time using this system. Using this you can register new student and their course details.

You can add students' profile and can check their profile and achievements details anytime. You can create exam result and submit in this system. Student can check their result online by logging to the system. You can also add new teacher in the system and can check details of them easily. Student can also check any details online from this system.

Using this system, you can manage all information of all aspects of a college department, its students, faculties activities. College yearbook system provides the easiest way to manage all functionalities like profile and achievements of the particular department of the college. This system facilitates colleges to maintain the functionality related to college employees and their students.

The ONLINE COLLEGE YEARBOOK can store and manage all data of the CSE departments of a college like student details, Staff details etc. using this system user can retrieve any information related to student and teacher. Using this system teacher can check student profile anytime.

CHAPTER 2

AIM AND SCOPE

2.1 AIM OF THE PROJECT

In this, we are developing website for our CSE department, which helps in uploading, updating and modifying the required information's like their profile, achievements in any form.

By Doing this project, it will be helpful for the staffs and students to view their achievements done them previously.

2.2 SCOPE AND OBJECTIVE

This project Development of online college yearbook is developed based on MySQL, Java, HTML, and CSS. Mainly this project focuses on providing information regarding their profile details and achievements of the CSE department Students and Staffs

2.3 PROPOSED SYSTEM

In our proposed system we have the provision for adding the details of the students by themselves. So, the overhead of the school authorities and the teachers is become less. The main aim & objective of development of Online College Yearbook java project is to provide an online platform to the college management, Staff and student alumni. With the help of this project Students & Staff can able see the tasks & achievements done in previous years. For the CSE department, in our college we want to develop a website which helps in uploading, updating the required information in any form. Another advantage of the system is that it is very easy to edit the details of the student and delete a student when it found unnecessary. The achievements of the student are added in the database and so students can also view that whenever they want.

Our proposed system has several advantages

- User friendly interface
- Fast access to database
- Less error
- Look and Feel Environment

All the manual difficulties in managing the student, teacher details in a college have been rectified by implementing computerization.

2.4 EXISTING SYSTEMS

This contains different article along with achievement records of faculty and students in a particular year and other records. We don't want to eliminate the existing system as it has its own charm and charisma. All we want to do is to develop a new website mainly for the details and achievements of the faculty and the students System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system.

During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram, interviews, etc. Training, experience and common sense are required for collection of relevant information needed to develop the system. A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus, it should be studied thoroughly by collecting data about the system.

Then the proposed system should be analysed thoroughly in accordance with the needs. System analysis can be categorized into four parts.

- ✓System planning and initial investigation
- ✓Information Gathering
- ✓Applying analysis tools for structured analysis
- ✓Feasibility study
- ✓Cost/ Benefit analysis.

In the current system we need to keep a number of records related to the student, staff and want to enter the details of the student and staff details manually. In this system only, the teacher or the school authority views the achievements of the student and they want to enter the details of the student. This is time consuming and has much cost.

CHAPTER 3

SYSTEM REQUIREMENTS

3.1 HARDWARE REQUIREMENT:

- RAM: 4 – 8 GB
- ROM: 64 GB and above
- Processor: Intel i3 and above

3.2 SOFTWARE REQUIREMENTS:

- Windows / MAC
- Eclipse IDE
- JDK 15.0.1
- Tomcat Server
- MYSQL Database
- Java EE
- Html and CSS

3.3 Software used:

3.3.1 ECLIPSE IDE

The Eclipse is defined as platform for developing the computer-based applications using various programming language like JAVA, Python, C/C++, Ruby and many more. The Eclipse is IDE (Integrated development kit) and mainly JAVA based programming is done in this platform. There are several plug-ins and other additional plug-ins can be installed in the platform. The advanced client applications can be developed. The JDT is used for doing the programming in Eclipse IDE.

Enterprise based java tooling is supported by the eclipse platform. As there are several tools available in this IDE for creating the JEE projects. The user can download the Java EE bundle that can be used for developing the web-based applications.

For any IDE the perspective is also the main feature that need to be focused. There are several perspectives in the eclipse IDE like JEE perspective, plug in development, debugging perspective helps to view the modules separately. The testing can be done easy using the Eclipse IDE. The debugging process can be run smoothly for finding the bugs and threats in the application. The testing job can be run to find the threats so that application can be smoothly produce.

The Eclipse DIE is also used because in every year the new release is offered for the eclipse IDE. The latest version can be used by the developers for developing the applications. The platform offers packaged solutions so that developer can use the packages during the development phase.

The installation process of the eclipse IDE is comparatively easy to other IDE. The user can download the pre-packaged bundle so that user directly downloads and install the eclipse for programming purpose. This is the main reason why most of the developers preferred the Eclipse IDE over other IDEs for programming purpose.

3.3.2 DATABASE:

A database is a separate application that stores a collection of data. Each database has one or more distinct APIs for creating, accessing, managing, searching and replicating the data it holds.

Other kinds of data stores can also be used, such as files on the file system or large hash tables in memory but data fetching and writing would not be so fast and easy with those type of systems.

Nowadays, we use relational database management systems (RDBMS) to store and manage huge volume of data. This is called relational database because all the data is stored into different tables and relations are established using primary keys or other keys known as Foreign Keys.

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.

MySQL is a fast, easy-to-use RDBMS being used for many small and big businesses. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. MySQL is becoming so popular because of many good reasons –

MySQL is released under an open-source license. So, you have nothing to pay to use it. MySQL is a very powerful program in its own right. It handles a large subset of the functionality of the most expensive and powerful database packages. MySQL uses a standard form of the well-known SQL data language. MySQL works on many operating systems and with many languages including PHP, PERL, C, C++, JAVA, etc. MySQL works very quickly and works well even with large data sets.

CHAPTER 4

MODULE & FLOW DIAGRAM

4.1 Input Design:

The input of this project is the details of the students and teachers. Input design is the process of converting user-oriented input to a computer-based format. Input design is a part of overall system design, which requires very careful attention.

Often the collection of input data is the most expensive part of the system. The main objectives of the input design are ...

1. Produce cost effective method of input
2. Achieve highest possible level of accuracy
3. Ensure that the input is acceptable to and understood by the staff

4.2 Output Design:

The output of this project is to display the profile details and achievements of them. Outputs from computer systems are required primarily to communicate the results of processing to users. Computer

output is the most important and direct source of information to the users. Designing computer output should proceed in an organized well through out the manner. The right output must be available for the people who find the system easy o use.

4.3 Modules and their description:

There are three main modules in the project.

They are:

- Admin
- Teacher
- Student

4.3.1 Admin:

Admin is the most important module in this system. It is the one which has whole control for both teacher and student in the yearbook.

Admin:

- ✓ Login with email & password
- ✓ Add teacher profile
- ✓ Add teacher achievements
- ✓ View teacher profile and achievements
- ✓ Add student profile
- ✓ Add student achievements
- ✓ View students' profile and achievements

4.3.2 Teacher:

- ✓ Register with her/his details
- ✓ Login with email and password
- ✓ Add teacher profile
- ✓ Add teacher achievements
- ✓ View teacher profile and achievements
- ✓ View student profile and achievements

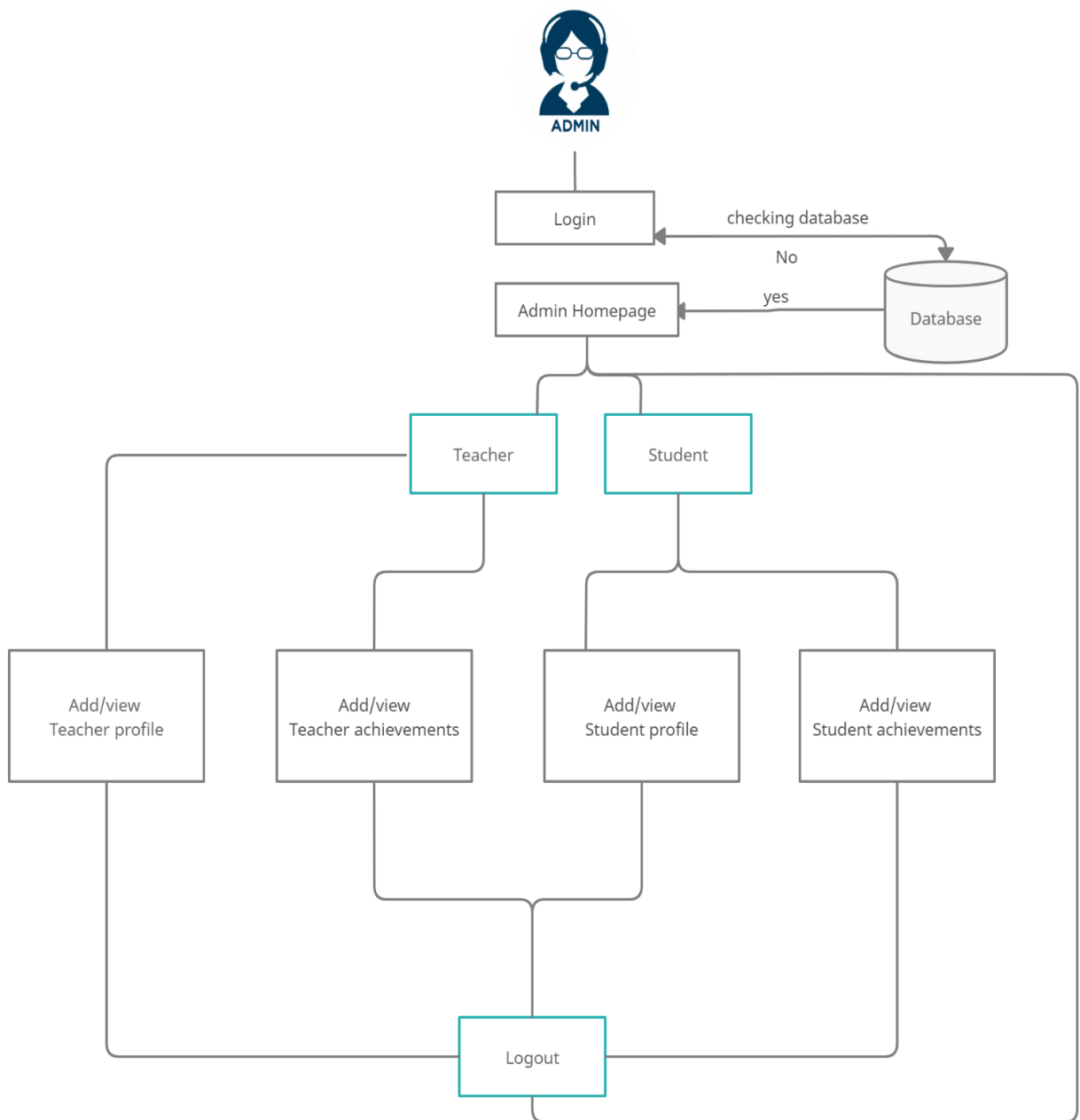
4.3.3 Student:

- ✓ Register with his/her details
- ✓ Login with email and password
- ✓ Add student profile
- ✓ Add student achievements
- ✓ View student profile and achievements
- ✓ View teacher details and achievements.

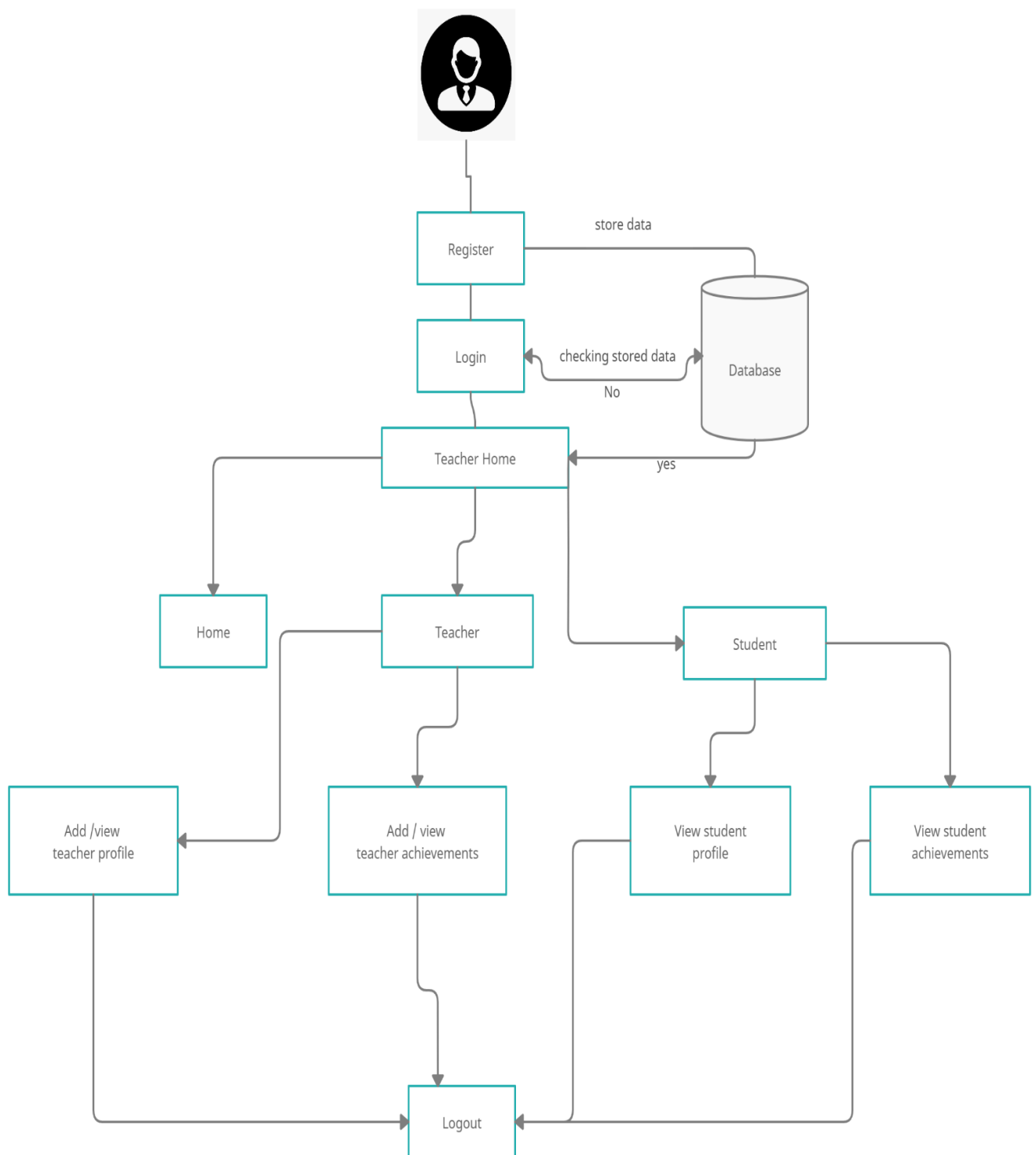
4.4 FLOW DIAGRAM

This following picture shows the flow diagrams of the admin, teacher and students.

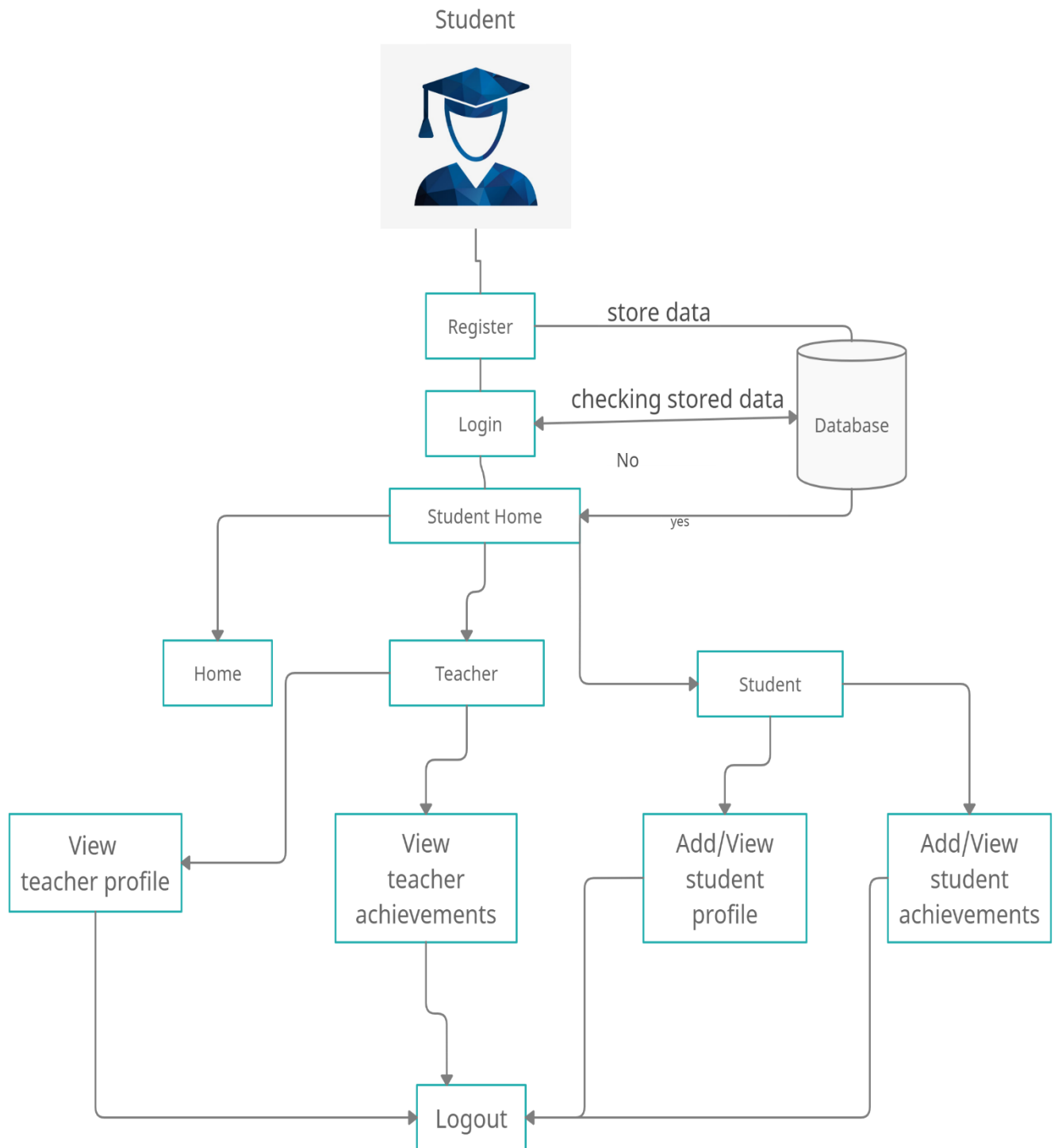
4.4.1 Admin:



4.4.2Teacher:



4.4.3 Student:



CHAPTER 5

CONCLUSION

This project is designed for the purpose to reduce the time and space of maintaining huge number of records of students and faculties

The project is to provide an online platform for the students and teachers to view their profile and achievements done by them in it. To be able to provide an environment for students to update their yearbook when students feel the need for them.

To overcome some of the drawbacks in existing system, where the admin can only add or change the profiles and achievements in that, but in this the student and teacher can also add their profiles and achievements by their own at any time.

5.1 APPENDIX

A. SOURCE CODE

```
<header>
<link rel="stylesheet" href="css/index.css">
  <div class="wrapper">
    <div class="logo">
      </div>
<ul class="nav-area">
  <li><a href="index.html" class="active" >Home</a></li>
    <li><a href="login.jsp">Login</a></li>
    <li><a href="signup.jsp">Register</a></li>
</ul>
</div>
<div class="welcome-text">
  <h1>
College Yearbook</h1>
</div>
</header>
```

Register:

```
<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/signup-style.css">
<title>Signup</title>
</head>
```

```

<body>
<div id='container'>
  <div class='signup'>
    <form action="signupAction.jsp" method="post">
      <input type="text" name="name" placeholder="Enter Name" required>
      <input type="email" name="email" placeholder="Enter Email" required>
      <input type="number" name="mobileNumber" placeholder="Enter Mobile Number"
required>
      <input type="number" name="id" placeholder="Enter Reg no" required>
      <select name="utype" required>
        <option value="Teacher">Teacher</option>
        <option value="Student">Student</option>
      </select>
      <input type="password" name="password" placeholder="Enter password" required>
      <input type="submit" value="Register">
    </form>

    <h2><a href="login.jsp">Login</a></h2>
  </div>
  <div class='whysign'>
<%
String msg=request.getParameter("msg");
if("valid".equals(msg))
{
%>
<h1>Successfully registered</h1>
<%} %>

<%
if("invalid".equals(msg))
{
%>
<h1>Some thing Went Wrong! Try Again !</h1>
<%} %>

```

```
<center><h3>College Yearbook</h3></center>
</div>
</div>

</body>
</html>
```

Teacher page:

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <title>Development of Online College Year Book</title>
  <link rel="stylesheet" href="css/teacherachievements.css">

</head>

<body>
  <header>
    <div class="wrapper">
      <div class="logo">
      </div>
      <ul class="nav-area">>
        <li><a href="teacherhome.jsp" class="active">Home</a></li>
        <li><a href="teacherachievements.jsp">Teacher</a></li>
        <li><a href="studentview.jsp">Student</a></li>
        <li><a href="logout.jsp">Logout</a></li>

      </ul>
    </div>
```

```

    <div class="welcome-text">
        <h1>
Teacher</h1>
    <a href="viewteacherdetails.jsp">view details</a>
    <a href="viewteacherachieve.jsp">view achievements</a>
    <a href="teacherdetails.jsp">Add details</a>
    <a href="teacherachdetails.jsp">Add achievements</a>
    </div>
</body>

</html>

```

Teacher profile register:

```

<!DOCTYPE html>
<html>
<head>
<link rel="stylesheet" href="css/signup-style.css">
<title>Add Teacher Details</title>
</head>
<body>
<div id='container'>
    <div class='signup'>
        <form action="teacherdetailsaction.jsp" method="post">

            <input type="text" name="name" placeholder="Enter Name" required>

            <input type="email" name="email" placeholder="Enter Email" required>

            <input type="number" name="mobileNumber" placeholder="Enter Mobile Number"
required>

```

`<input type="number" name="work" placeholder="Enter work experience" required>`

`<input type="number" name="year" placeholder="Enter year" required>`

`<input type="text" name="designation" placeholder="Enter designation" required>`

`<select name="branch" required>`

`<option value="cse">cse</option>`

`<option value="it">it</option>`

`</select>`

`<input type="text" name="qualification" placeholder="Enter qualification" required>`

`<input type="text" name="subjects" placeholder="Enter subjects" required>`

`<input type="submit" value="Register">`

`</form>`

`<h2><a href="login.jsp">Login</a></h2>`

`</div>`

`<div class='whysign'>`

`<%`

`String msg=request.getParameter("msg");`

`if("valid".equals(msg))`

`{`

`%>`

`<h1>Successfully registered</h1>`

`<%} %>`

`sx`

`<%`

`if("invalid".equals(msg))`

`{`

`%>`

```
<h1>Some thing Went Wrong! Try Again !</h1>
<%} %>
<center><h3>Teacher Details</h3></center>
</div>
</div>
</body>
</html>
```

B. SCREENSHOTS:

HOME PAGE:

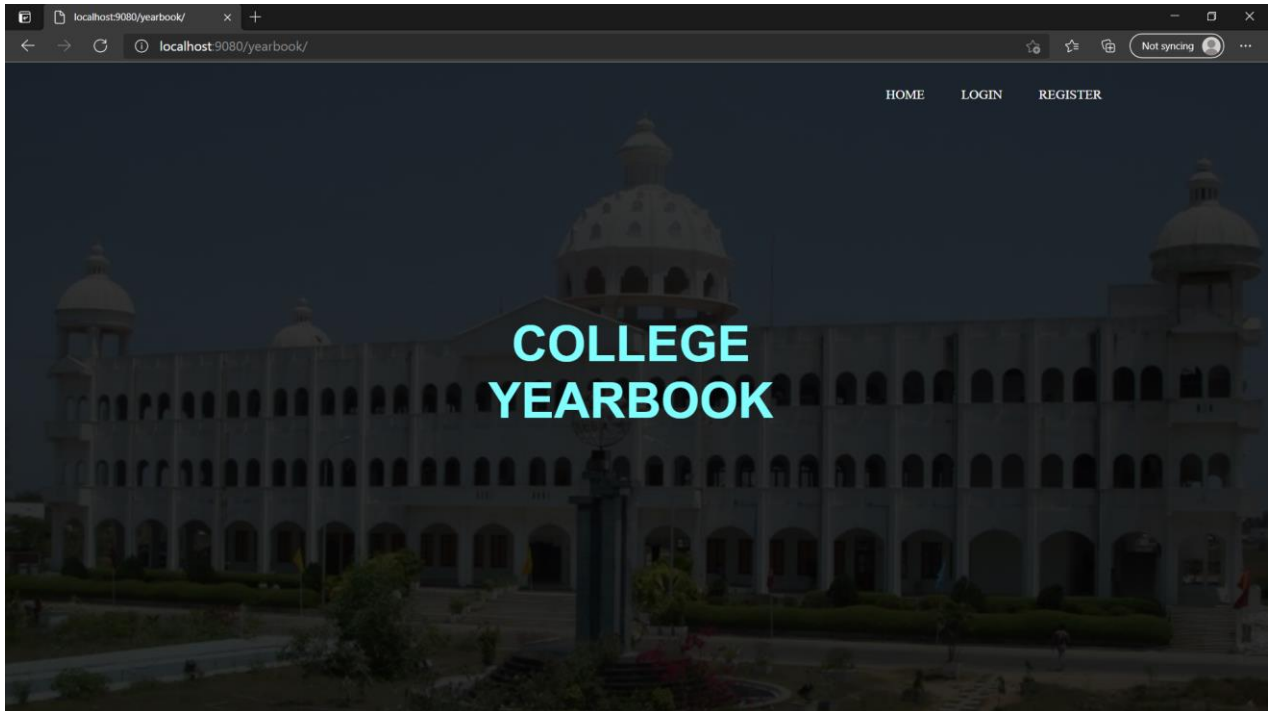
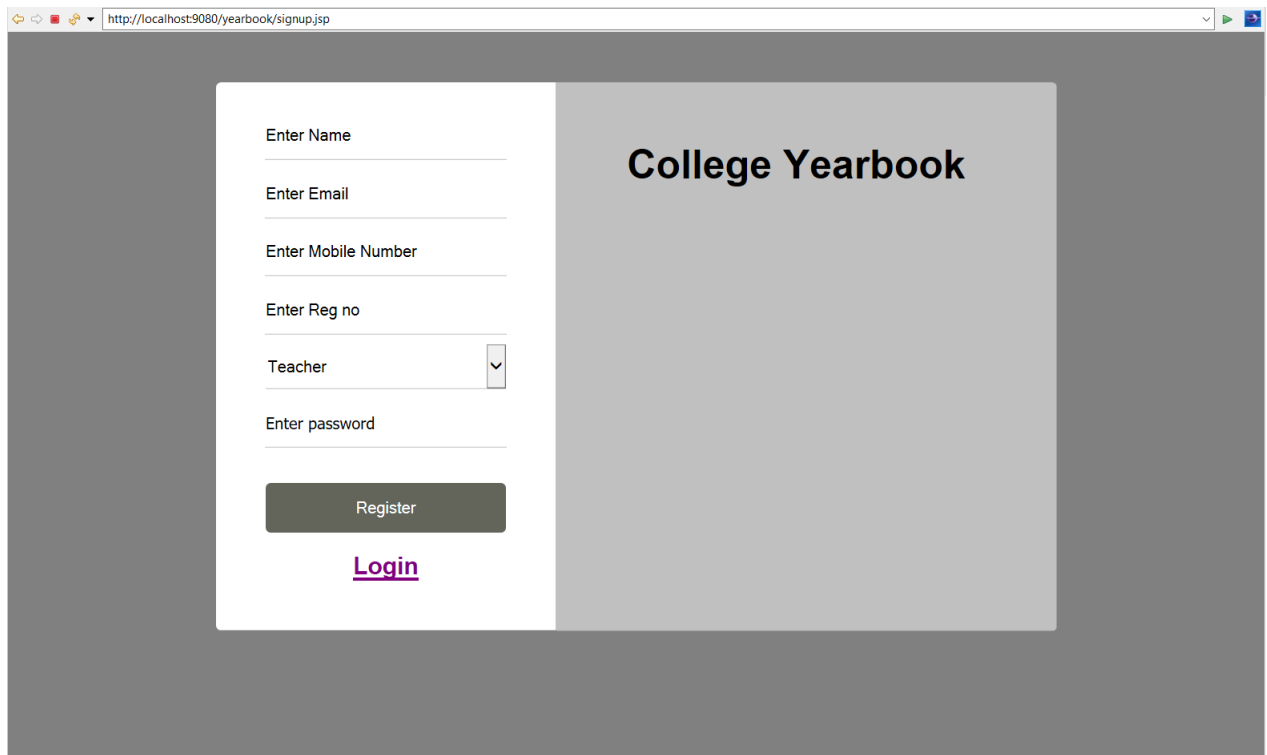


Fig: Homepage of the college yearbook

REGISTRATION PAGE:



The screenshot shows a web browser window with the address bar displaying `http://localhost:9080/yearbook/signup.jsp`. The page has a dark gray background. On the left, there is a white registration form with the following fields: "Enter Name", "Enter Email", "Enter Mobile Number", "Enter Reg no", "Teacher" (with a dropdown arrow), and "Enter password". Below these fields is a dark gray "Register" button and a purple "Login" link. On the right, there is a large gray rectangle with the text "College Yearbook" in bold black font.

Fig: Login page

This screenshot shows that, one can register with her/his details as student or teacher.

LOGIN PAGE:

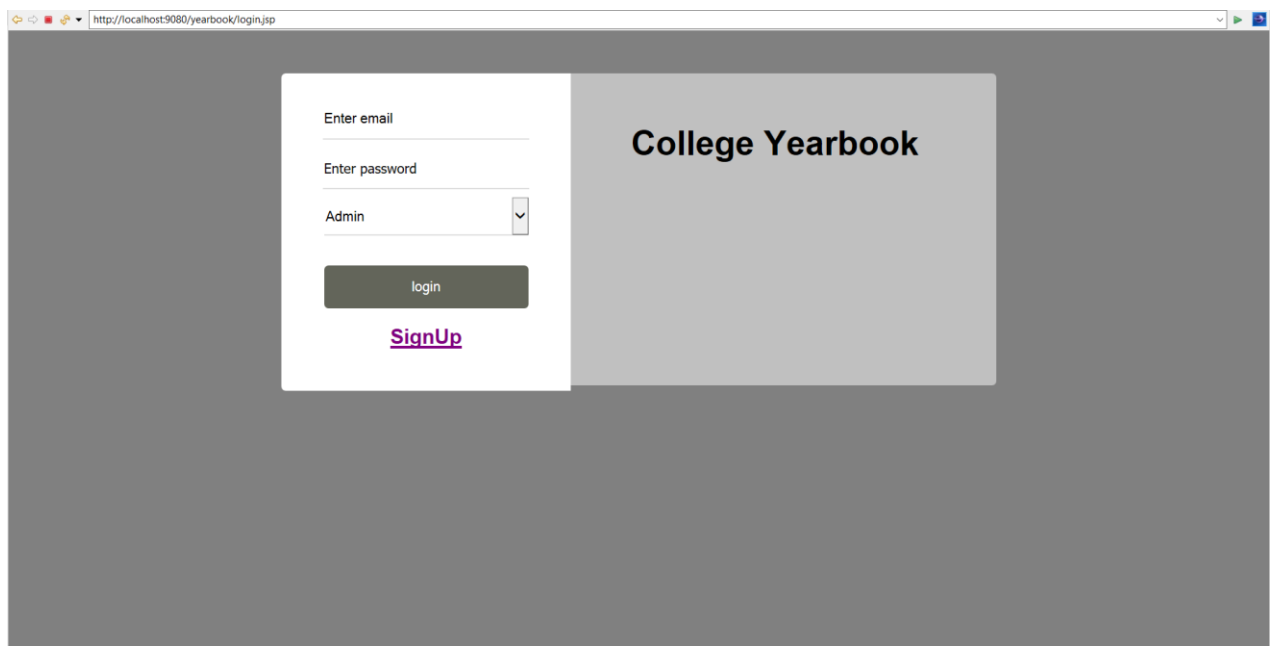


Fig: Login page

This screenshot shows that, one can select whether she/he wants to login as admin, teacher or student

ADMIN HOMEPAGE:

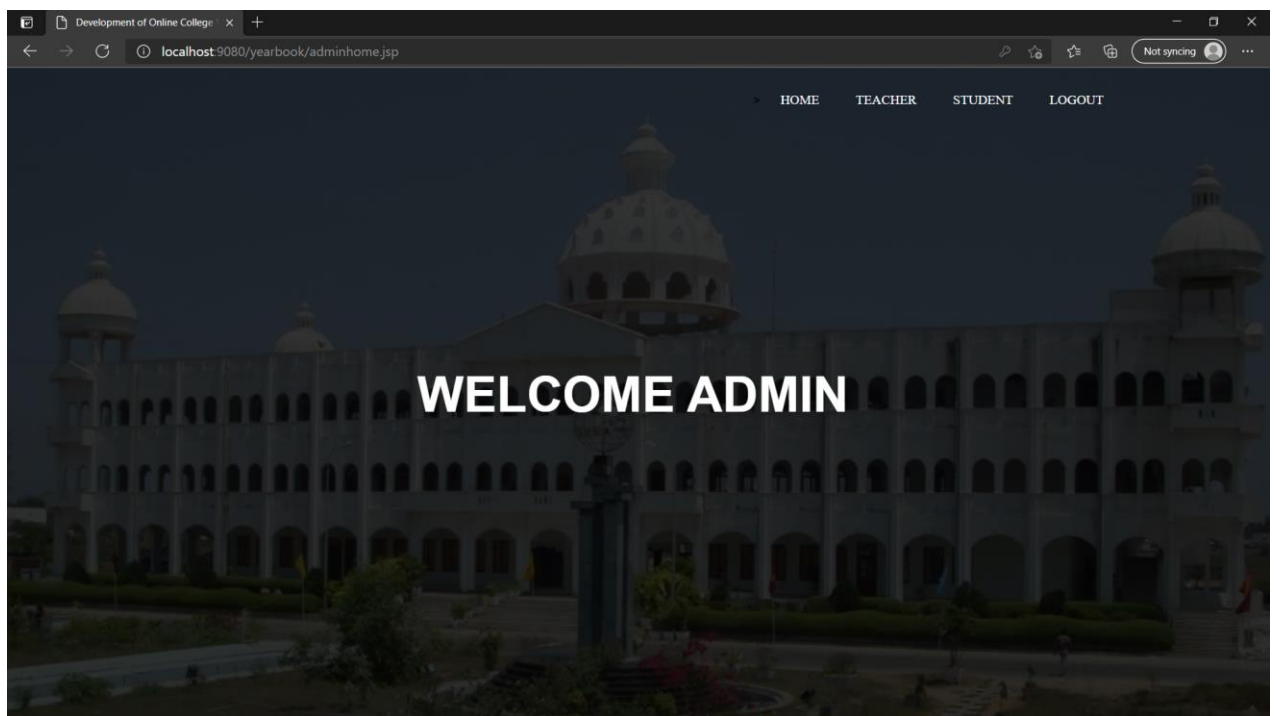


Fig: Admin Homepage

This is screenshot shows the homepage for admin.

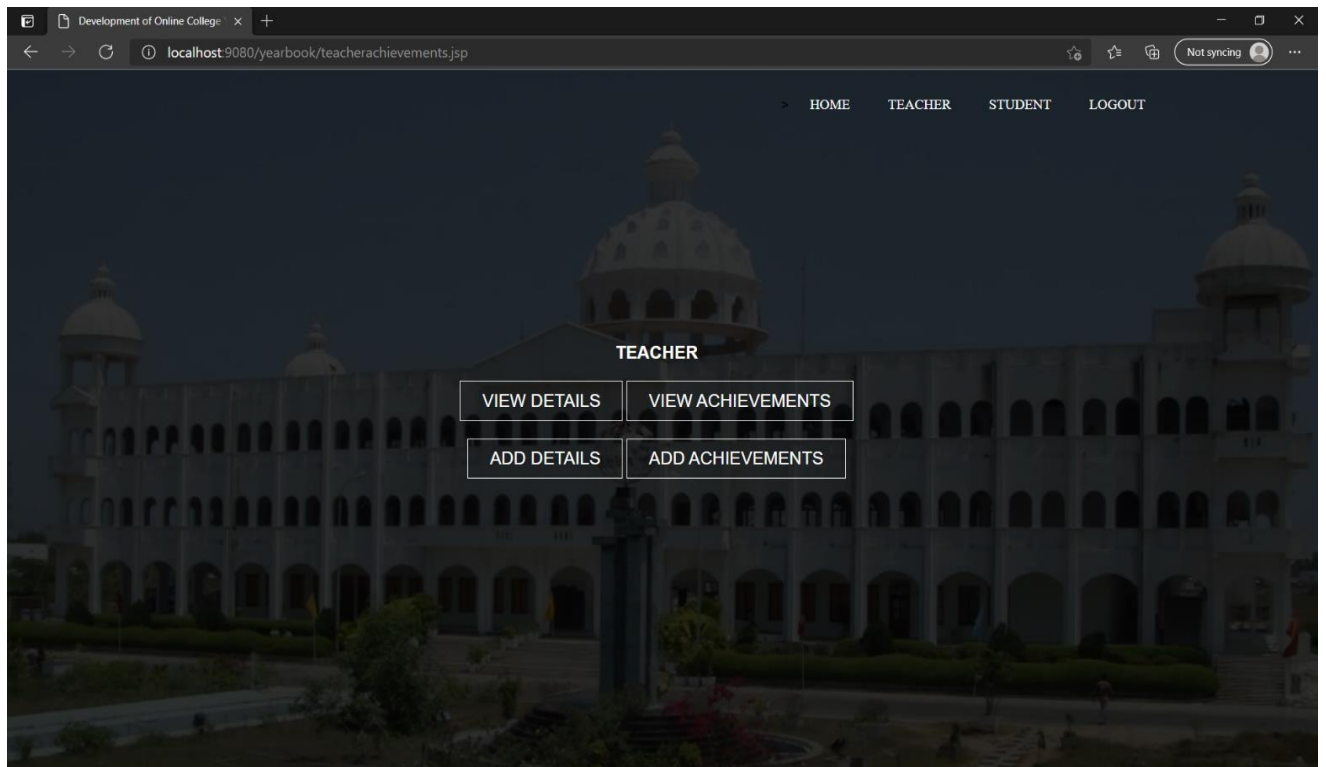


Fig: Teachers page from admin view

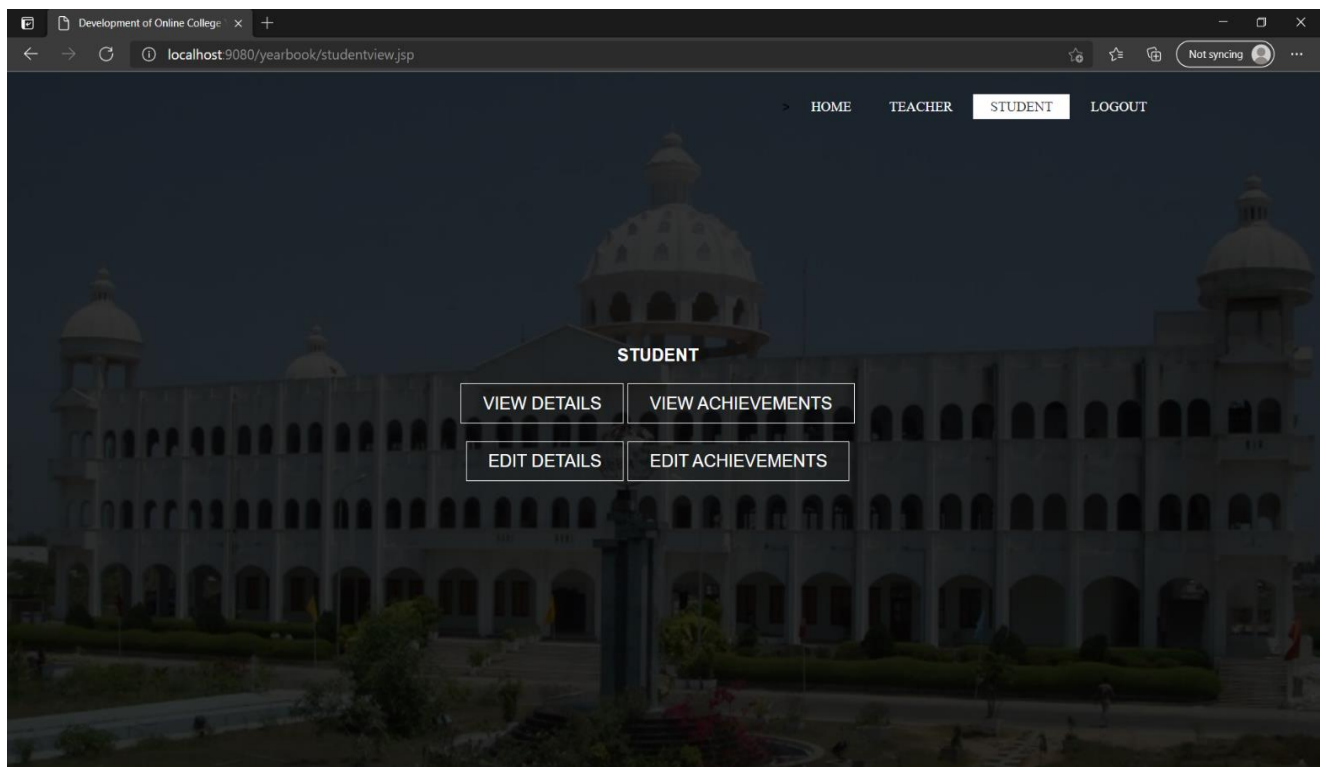


Fig: Students page from admin view

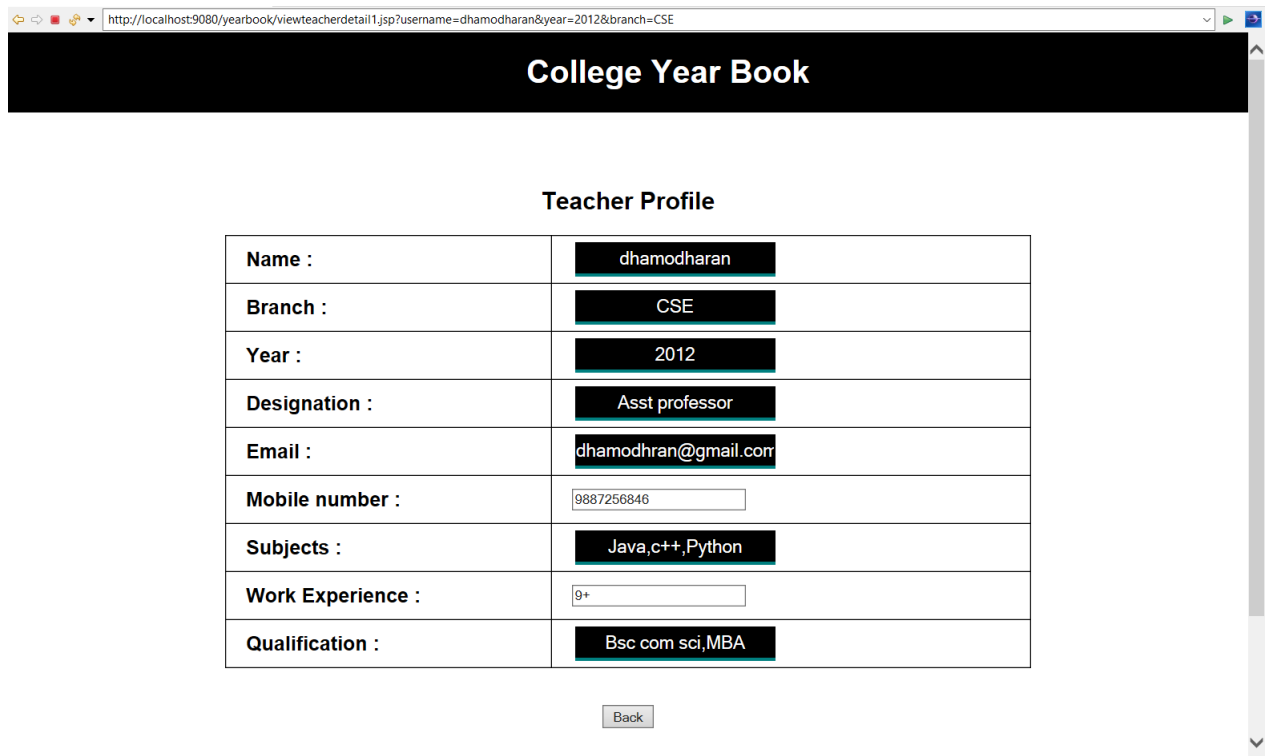
TEACHER PROFILE:

Online College Year Book				
Teacher Profile				
User Name	Year	Branch	View Details	
baskar	2022	cse	View Details	
dhamodharan	2012	CSE	View Details	
naveen	2021	cse	View Details	
prabha	2020	cse	View Details	
vignesh	2018	CSE	View Details	
Back				

Fig: View Teachers profile page

This page shows some basic information of teacher, by clicking the view details button they can view their full profile of the teachers.

TEACHER PROFILE:



The screenshot shows a web browser window with the address bar displaying `http://localhost:9080/yearbook/viewteacherdetail1.jsp?username=dhamodharan&year=2012&branch=CSE`. The page has a black header with the text "College Year Book" in white. Below the header, the title "Teacher Profile" is centered. A table displays the teacher's details, with most fields highlighted in black with white text. The fields are: Name (dhamodharan), Branch (CSE), Year (2012), Designation (Asst professor), Email (dhamodhran@gmail.com), Mobile number (9887256846), Subjects (Java,c++,Python), Work Experience (9+), and Qualification (Bsc com sci,MBA). A "Back" button is located below the table.

Teacher Profile	
Name :	dhamodharan
Branch :	CSE
Year :	2012
Designation :	Asst professor
Email :	dhamodhran@gmail.com
Mobile number :	9887256846
Subjects :	Java,c++,Python
Work Experience :	9+
Qualification :	Bsc com sci,MBA

[Back](#)

Fig: Teacher profile page

In this page, they can view the details of the teachers from the teacher profile.

STUDENTS ACHIEVEMENTS:

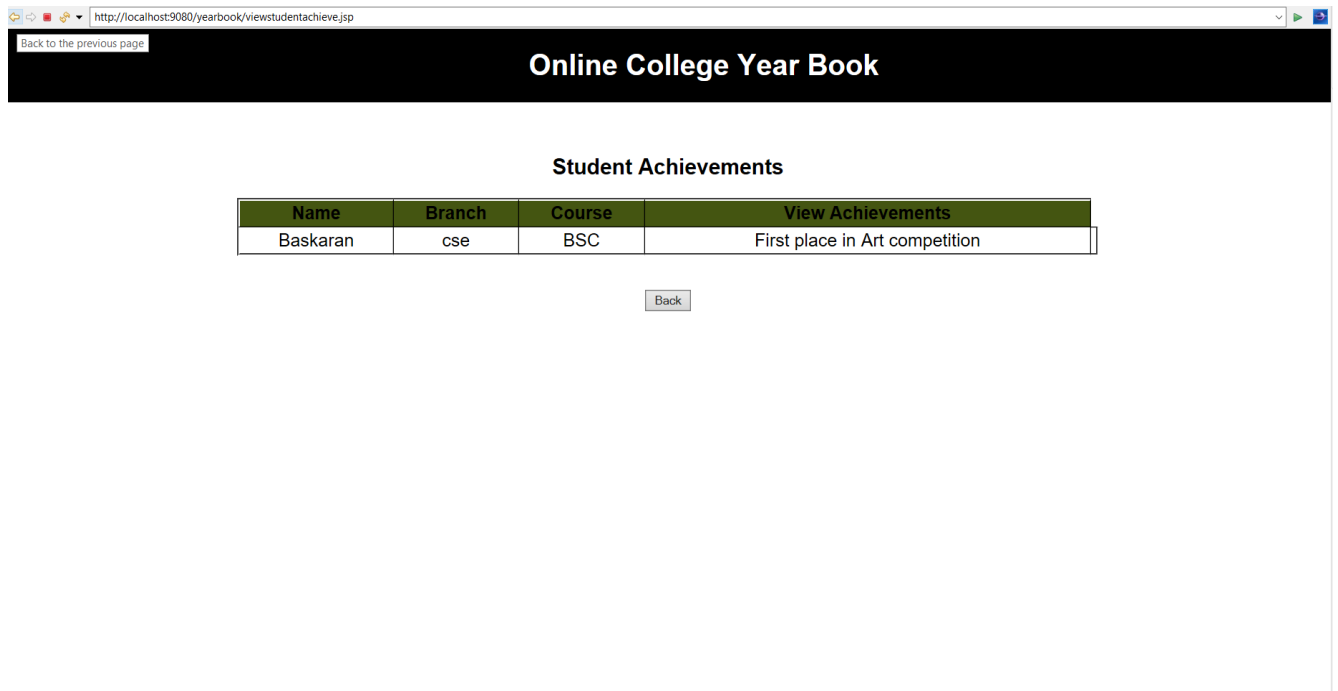


Fig: Students Achievements page

This page shows the achievements done the students here.

5.2 REFERENCE

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