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Ranchi , Jharkhand

INTERNSHIP REPORT

Submitted by

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in partial fulfillment for the award of the degree

of

Bachelor of Engineering

in

Computer Science and Engineering

RKDF University

Ranchi , Jharkhand

An Autonomous Institution

MAY 2025

BONAFIDE CERTIFICATE

Certified that this internship report

“ Placement Management Portal “

is the bonafide work of

Nitish Kumar (001CSE22GT021)

who carried out the project work under my supervision

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Submitted for the Autonomous End Semester Examination Internship Project

INTERNAL EXAMINER

EXTERNAL EXAMINER

An ISO 9001:2015 Certified Institute

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SHASHI INFOTECH

(A Complete Software Training Institute)

Ref. no: SI-T-25/47

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Certificate of Internship

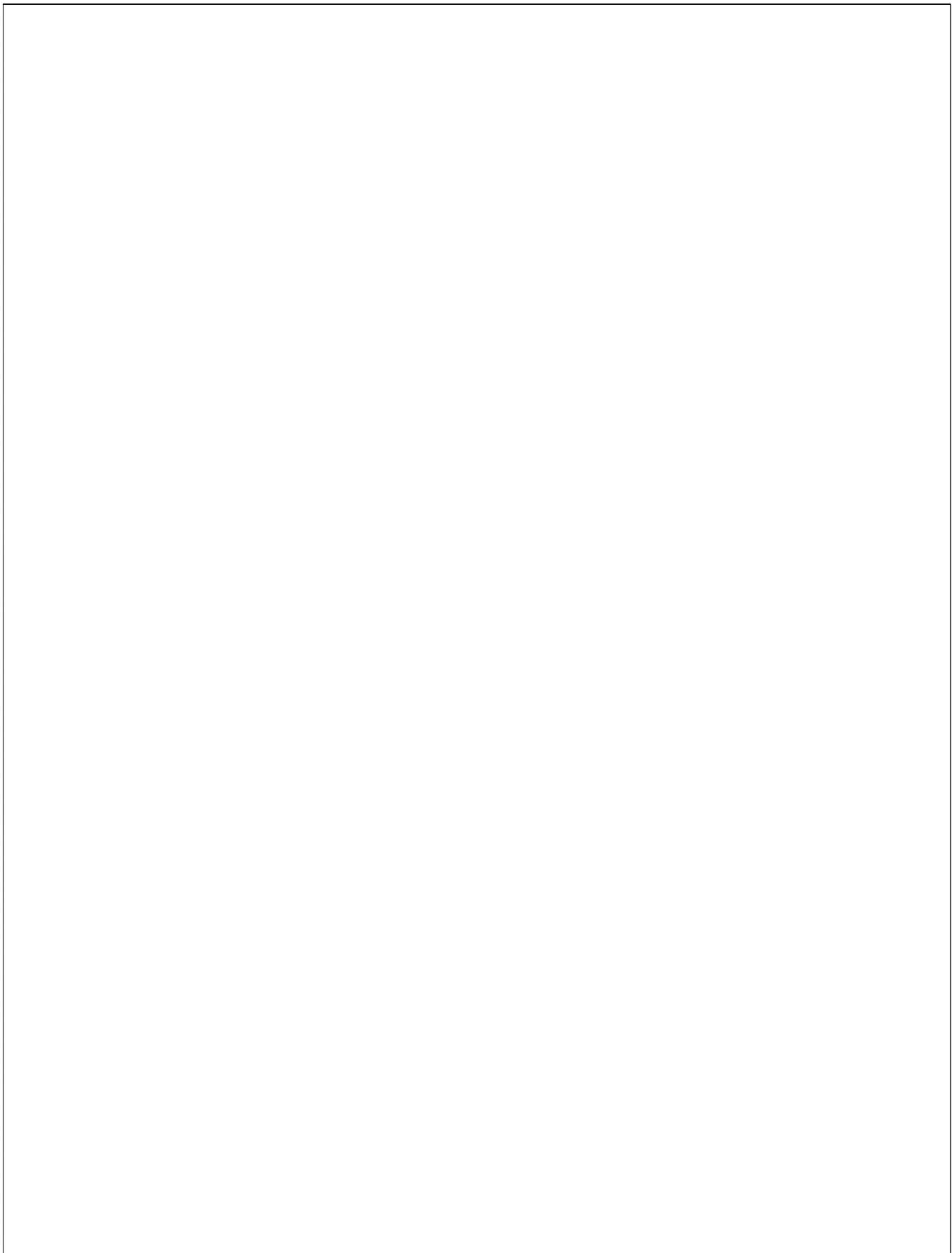
*This is to Certify that Nitish Kumar
a student of RKDF University, Ranchi
Branch B-Tech(CSE) session 2022-2026 has completed
her/his Training work as a part of
Full Stack Web Development in Java
in IT sector under our guidance from
10-02-2025 to 30-03-2025 successfully.*

Date of Issue:- 30/03/2025



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Placement Management Portal using Full stack Web Development with Java

ABSTRACT

The **Placement Management Portal** is a comprehensive full-stack web application developed to streamline and enhance the campus placement process for students, recruiters, and college administrators. Built using **Java(JSP)** for the backend, **SQL for database management** and integrated with modern frontend technologies **HTML 5 and CSS 3**.

The project was developed as a group effort by –

Nitish Kumar (001CSE22GT021), Arwin Jonathan Lakra (001CSE22GT004) and Ankit Kumar Soni (001CSE22GT020), under the valuable mentorship of **Mr. Shashi Kumar Tanti Sir**.

The primary objective of the portal is to automate and manage various aspects of the placement process, including student registration, job postings, application tracking, eligibility verification, interview scheduling, and final placement status updates. The system ensures secure login for different user roles—students, recruiters, and administrators—each with tailored functionalities. The backend is powered by robust Java-based frameworks ensuring data consistency and performance, while the frontend delivers a responsive and user-friendly interface.

This project not only addresses the inefficiencies of traditional placement procedures but also provides an easily maintainable and scalable solution for educational institutions. It reflects the collaborative effort and practical implementation of full-stack web development skills, project management, and real-world problem-solving.

Acknowledgement

We would like to express our sincere gratitude to everyone who contributed to the successful completion of our project titled "**Placement Management Portal**" developed using full-stack web technologies including **Java (JSP)**, and **SQL database**.

First and foremost, we are deeply thankful to our mentor, **Mr Shashi Kumar Tanti Sir**, for his invaluable guidance, continuous support, and encouragement throughout the development of this project. His technical expertise and constructive feedback played a crucial role in shaping our understanding and refining our implementation.

We also extend our appreciation to our institution and faculty members for providing the necessary resources and a conducive environment for learning and development.

This project was a collaborative effort, and we, **Nitish Kumar, Arwin Jonathan Lakra** and **Ankit Kumar Soni**, are grateful to each other for the strong teamwork, dedication, and effort put in at every stage—from initial planning to final deployment.

Lastly, we thank our families and friends for their constant support and motivation, which inspired us to give our best.

**Nitish Kumar
B.Tech(C.S.E)
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Introduction

In today's fast-paced academic and corporate environment, campus placements play a crucial role in shaping the future of students by providing them with career opportunities directly from their institutions. However, the traditional process of managing campus placements is often time-consuming, error-prone, and dependent on manual record-keeping. This not only results in inefficiencies but also adds a significant burden to placement officers and administrative staff.

To address these challenges, we have developed a **Placement Management Portal** — a web-based application designed to streamline and automate the entire placement process within an educational institution. This portal is a comprehensive solution that allows placement officers to manage job openings, recruiters to post opportunities, and students to apply for jobs—all through a centralized digital platform.

The portal is built using **Java JSP and Servlets** for the server-side logic and dynamic content generation, ensuring a robust and scalable backend. For data storage and retrieval, we utilized **SQL** to create and manage a structured database that handles user data, job listings, applications, and result records efficiently. The user interface is designed to be intuitive and accessible, ensuring a smooth user experience across different roles—student, recruiter, and administrator.

Key functionalities of the Placement Management Portal include:

- **Student Module:** Registration, login, profile management, resume upload, job browsing, and application tracking.
- **Recruiter Module:** Job posting, candidate shortlisting, and interview scheduling.
- **Admin Module:** Verification of student and recruiter accounts, job post approvals, analytics and report generation.

The Placement Management Portal not only improves the transparency and efficiency of the placement process but also provides a scalable foundation that can be enhanced with features like automated notifications, resume parsing, and integration with external recruitment platforms in future iterations.

Through this project, we aimed to bridge the gap between academic institutions and recruiters by leveraging technology to create a reliable, user-friendly, and efficient placement management system.

Chapter 1 – Introduction to HTML

1.1 About Html

HTML stands for **HyperText Markup Language**. It is the standard language used to create and structure content on the **World Wide Web**. HTML provides the basic building blocks for web pages, allowing developers to define elements like headings, paragraphs, links, images, tables, forms, and more.

What is HTML?

HTML is not a programming language; it is a **markup language**. This means it is used to "mark up" text and other content to tell a web browser how to display it. It consists of **elements** or **tags**, which are enclosed in angle brackets like `<tagnname>...</tagnname>`.

Basic Structure of a HTML Document

```
<!DOCTYPE html>

<html>

<head>

<title>My First Web Page</title>

</head>

<body>

<h1>Welcome to HTML!</h1>

<p>This is a simple paragraph.</p>

</body>

</html>
```

Key Components:

- `<!DOCTYPE html>`: Declares the document type and version of HTML.
- `<html>`: The root element of an HTML page.
- `<head>`: Contains metadata, such as the page title, links to stylesheets, etc.
- `<title>`: Sets the title shown in the browser tab.
- `<body>`: Contains the content that is displayed on the webpage, such as text, images, and links.
- `<h1>` to `<h6>`: Headings of different levels.
- `<p>`: Paragraph tag used for blocks of text.

2.2 Some basic codes in HTML

```
<html>

<body>

Hello <br>

World <hr>

<p align="left">Raja</p>

<p align = "right">Harsh</p>

<p align = "center">Riya</p>

<h1>Ram</h1>

<h2>Shyam</h2>

<h3>Raghav</h3>

<h4>Ram</h4>

<h5>Shyam</h5>

<h6>Raghav</h6>

<font face="chiller" size="+7" color="red">Welcome</font>



<a href="a.html">click</a>

<a href="a.html" target ="_self">click</a>

<a href="a.html" target ="_blank">click</a>

<a href="http:www.google.com"></a>

<table border=1>

<tr><th>Roll</th><th>Name</th></tr>

<tr><td>1</td><td>Mangru</td></tr>

</table>

</body>

</html>
```

2.3 Marquee Tag in HTML

```
<html>  
<body>  
<marquee>welcome</marquee>  
<marquee direction="left">LEFT</marquee>  
<marquee direction="right">RIGHT</marquee>  
<marquee direction="up">UP</marquee>  
<marquee direction="down">DOWN</marquee>  
<marquee behavior="scroll">SCROLL</marquee>  
<marquee behavior="alternate">ALTERNATE</marquee>  
<marquee behavior="slide">SLIDE</marquee>  
<marquee bgcolor="yellow" direction=right scrolldelay="300">welcome to my  
college</marquee>  
</body>  
</html>
```



2.4 Table and Forms in Html

Forms :

```
<html>
<body>
<h1>HTML FORMS</h1>
<form name="frm">
NAME<input type="text" name="nm" size="20"> <br><br><br>
PASSWORD<input type="password" name="pwd" size="20"> <br><br><br>
GENDER<input type="radio" name="rd" value="male">Male
<input type="radio" name="rd" value="female">Female
<br><br><br>
NEWSPAPER<input type="checkbox" name="c1" value="Telegraph">Telegraph
<input type="checkbox" name="c2" value="Times Of India">Times Of India
<input type="checkbox" name="c3" value="Pioneer">Pioneer
<input type="checkbox" name="c4" value="Hindustan Times">Hindustan Times
<br><br><br>
Country
<select name="con">
<option>India</option>
<option>Japan</option>
<option>Nepal</option>
<option>Bhutan</option>
<option>Bangladesh</option>
</select>
```

```
<br>

<br><br>

HOBBY

<select multiple=true>

<option>Cricket</option>

<option>Football</option>

<option>Hockey</option>

<option>Dance</option>

<option>Table Tennis</option>

</select>

<br>

<br><br>

ABOUT US

<textarea rows=6 cols=10>

</textarea>

<br><br><br>

phone number<input type="number" name="ph" size=20><br><br><br>

date of birth<input type="date" name="dt" ><br><br><br>

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

</form>

</body>

</html>
```

HTML FORMS

NAME

PASSWORD

GENDER Male Female

NEWSPAPER Telegraph Times Of India Pioneer Hindustan Times

Country 

HOBBY 
Cricket
Football
Hockey
Dance

ABOUT US 

phone number

date of birth 

Tables

```
<html>

<body>

<h1>HTML Table</h1>

<form name="frm">

<table border=1 bgcolor=yellow cellspacing=5>

<tr><td>NAME</td><td>
<input type="text" name="nm" size="20"> </td></tr>

<tr><td>PASSWORD</td><td><input type="password" name="pwd" size="20"></td></tr>

<tr><td>GENDER</td><td><input type="radio" name="rd" value="male">Male
<input type="radio" name="rd" value="female">Female</td></tr>

<tr><td>NEWSPAPER</td><td><input type="checkbox" name="c1"
value="Telegraph">Telegraph</td></tr>

<tr><td></td><td>
<input type="checkbox" name="c2" value="Times Of India">Times Of India</td></tr>

<tr><td></td><td><input type="checkbox" name="c3" value="Pioneer">Pioneer</td></tr>

<tr><td></td><td>
<input type="checkbox" name="c4" value="Hindustan Times">Hindustan Times</td></tr>

<tr><td>Country</td><td><select name="con">
<option>India</option>
<option>Japan</option>
<option>Nepal</option>
<option>Bhutan</option>
<option>Bangladesh</option>
</select></td></tr>
```

```

<tr><td>Hobby</td><td><select multiple=true>
<option>Cricket</option>
<option>Football</option>
<option>Hockey</option>
<option>Dance</option>
<option>Table Tennis</option>
</select></td></tr>

<tr><td>About Us</td><td><textarea rows=6 cols=10>
</textarea></td></tr>

</table>
</form>
&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;&nbspp;
</body>
</html>

```

HTML Table

NAME		
PASSWORD		
GENDER	<input type="radio"/> Male <input type="radio"/> Female	
NEWSPAPER	<input type="checkbox"/> Telegraph	
	<input type="checkbox"/> Times Of India	
	<input type="checkbox"/> Pioneer	
	<input type="checkbox"/> Hindustan Times	
Country	India <select style="width: 20px; border: none; border-bottom: 1px solid black; font-size: 0.8em; margin-left: 10px;"> <option> </option> </select>	
Hobby	Cricket Football Hockey Dance <div style="margin-top: 10px; text-align: right;"> ▲ ▼ </div>	
About Us		

3. Chapter 2 – Introduction to JSP

3.1 About JSP

JSP (JavaServer Pages) is a **server-side technology** used for creating **dynamic web content** using Java. Developed by Sun Microsystems (now part of Oracle), JSP is built on top of the Java Servlet technology and allows embedding Java code directly into HTML pages using special JSP tags.

What is JSP?

JSP files are text-based documents saved with a `.jsp` extension. They contain a mix of **HTML**, **Java code**, and **JSP-specific tags**, which are executed on the **server side** before the page is sent to the user's browser.

When a client requests a JSP page:

1. The web server passes the request to a **JSP engine**.
2. The engine converts the JSP into a **Servlet** (a Java class).
3. The Servlet is compiled and executed on the server.
4. The output (usually HTML) is sent to the browser.

Why Use JSP?

- **Separation of concerns:** JSP separates presentation (HTML) from business logic (Java).
- **Reusability:** JavaBeans and custom tags can be reused across pages.
- **Integration:** Easily integrates with Java-based technologies and databases.
- **Familiar Syntax:** Developers familiar with HTML and Java can learn JSP quickly.

Basic Syntax Example:

```
<%@ page language="java" contentType="text/html" %>
<html>
  <head><title>JSP Example</title></head>
  <body>
    <h1>Welcome to JSP!</h1>
    <%
      String name = "Arwin";
      out.println("Hello, " + name + "!");
    %
    </body>
</html>
```

Common JSP Tags:

- `<% %>`: Scriptlet — contains Java code.
- `<%= %>`: Expression — outputs a value.
- `<%@ %>`: Directive — provides instructions (like importing packages).
- `<jsp:include>`: Includes content from another file.
- `<jsp:useBean>`: Uses a JavaBean in the page.

3.2 First Program in JSP

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
%>

<!DOCTYPE html>
<html>
<head>
    <title>Hello World in JSP</title>
</head>
<body>
    <h1>
        <%-- JSP scriptlet to print Hello World --%>
        <%
            out.println("Hello, World!");
        %>
    </h1>
</body>
</html>
```

3.2 Linking Html forms with JSP

Temperature .html

```
HTML>
<BODY>
<CENTER> <h1> TEMPERATURE CONVERSION </h1> <BR>
<FORM METHOD="POST" ACTION="http://localhost:80/temp.jsp">
<h2>ENTER THE TEMPERATURE :
<INPUT TYPE="TEXT" NAME="temp">
<br>
SELECT THE CONVERSION TYPE : <br>
<INPUT TYPE="RADIO" NAME ="conv" VALUE="1">
    1.CELSIUS TO FAHRENHEIT
<INPUT TYPE="RADIO" NAME="conv" VALUE="2">
    2. FAHRENHEIT TO CELSIUS
</h2> <br> <INPUT TYPE="SUBMIT" VALUE="SUBMIT">
</FORM>
</BODY>
</HTML>
```

Temperature.jsp

```
HTML>
<BODY>
<CENTER><h1> TEMPERATURE CONVERSION </h1> <br> <br>
<%  double Tc,Tf;
double t=Double.parseDouble(request.getParameter("temp"));
int type=Integer.parseInt(request.getParameter("conv"));
if(type==2)
{
    Tc=0.55*(t-32);
%>
<P> <h2> <%=t%> Fahrenheit = <%=Tc%> Celcius </h2>
<%  }
else
{
```

```
Tf=(1.8*t)+32;  
%>  
<P> <h2> <%=t%>' Celcius = <%=Tf%> Fahrenheit </h2>  
<% }  
%>  
</BODY>  
</HTML>
```

TEMPERATURE CONVERSION

ENTER THE TEMPERATURE :

SELECT THE CONVERSION TYPE :

- 1.CELSIUS TO FAHRENHEIT
- 2. FAHRENHEIT TO CELSIUS

TEMPERATURE CONVERSION

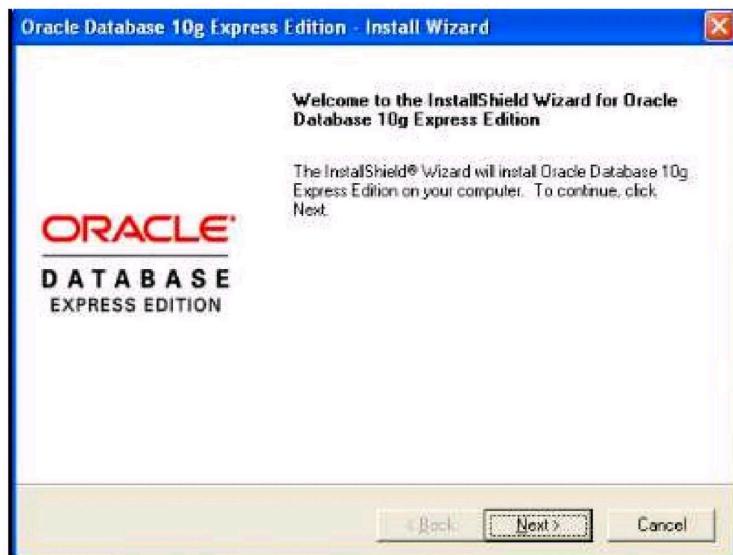
39.0' Celcius = 102.2 Fahrenheit

4. Chapter 3 – SQL

4.1 Installing SQL 10g XE

Installation Steps

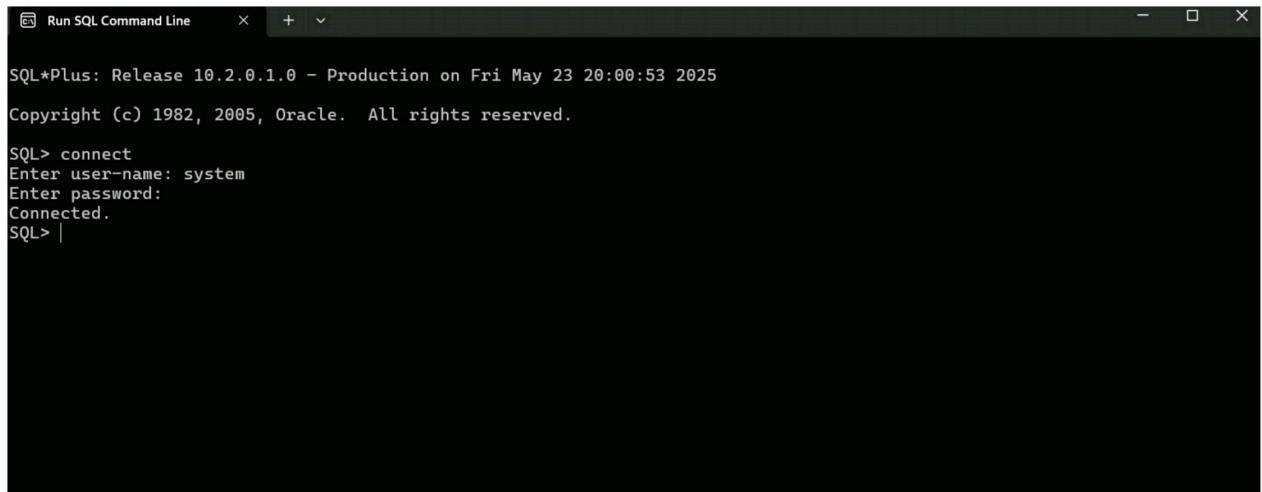
1. Extract the .zip/.rar file if downloaded.
2. Run setup.exe as **Administrator**.
3. Choose **Basic Installation** or **Advanced Installation**.
4. Set:
 - o **Oracle Home:** Installation directory
 - o **Global Database Name:** e.g., orcl
 - o **Password:** Remember this for SQL login
5. Follow prompts and let the installation complete.



4.2 Connecting to Database :

After Installation

- Launch **SQL*Plus** from Start Menu or Desktop
- Login using: Username: system
- Password: [your password]



The screenshot shows a terminal window titled "Run SQL Command Line". The output shows the Oracle SQL*Plus startup message, followed by a successful connection to the "system" user:

```
SQL*Plus: Release 10.2.0.1.0 - Production on Fri May 23 20:00:53 2025
Copyright (c) 1982, 2005, Oracle. All rights reserved.

SQL> connect
Enter user-name: system
Enter password:
Connected.
SQL> |
```

4.3 Basic Queries of SQL

Creating a table

```
CREATE TABLE Students (
    ID INT PRIMARY KEY,
    Name VARCHAR(50),
    Age INT,
    Department VARCHAR(50)
);
```

Inserting into table :

```
INSERT INTO Students (ID, Name, Age, Department)
VALUES (1, 'ABC', 21, 'CSE');
```

Selecting all values:

```
SELECT * FROM Students;
```

Use where Clause:

```
SELECT * FROM Students  
WHERE Department = 'CSE';
```

Update Data :

```
UPDATE Students  
SET Age = 22  
WHERE ID = 1;
```

Delete a Record:

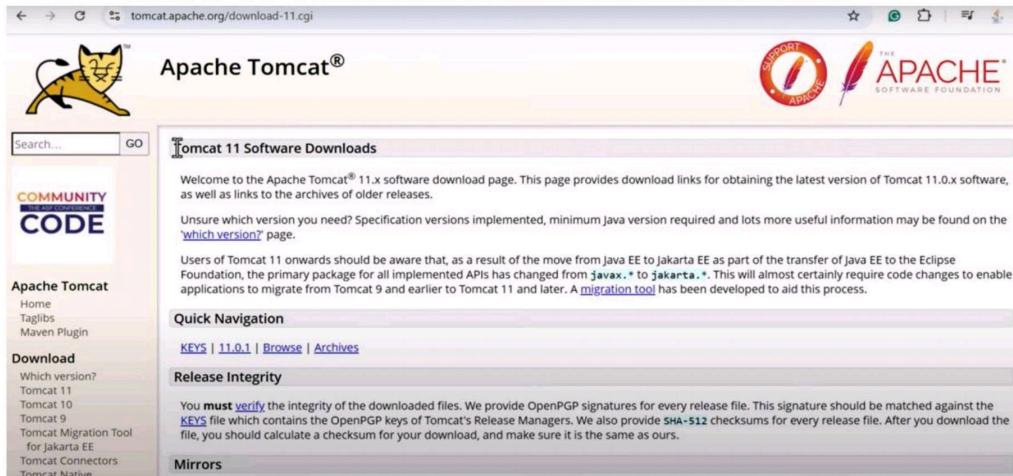
```
DELETE FROM Students  
WHERE ID = 1;
```

5. Chapter 4 - About Apache Tomcat Server

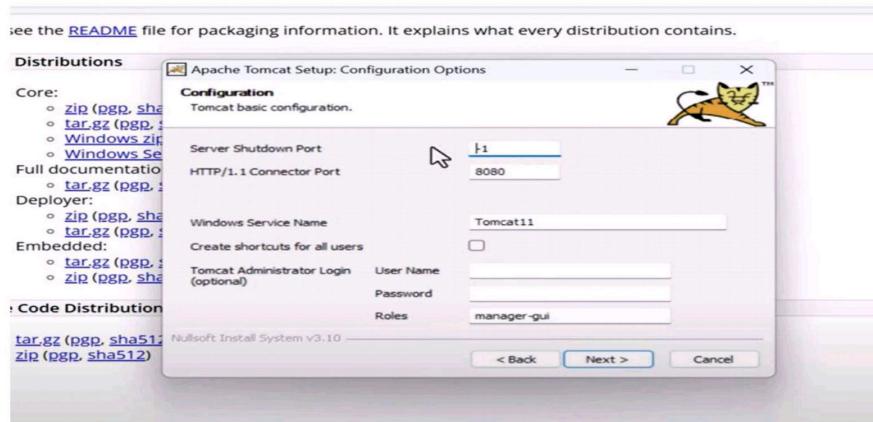
Apache Tomcat is an open-source web server and servlet container developed by the Apache Software Foundation. It primarily supports Java-based web applications by executing Java Servlets and rendering JSP (JavaServer Pages). Tomcat is lightweight, efficient, and widely used for hosting dynamic websites and applications, making it a popular choice for Java developers.

5.1 Installation and Running of Apache Tomcat

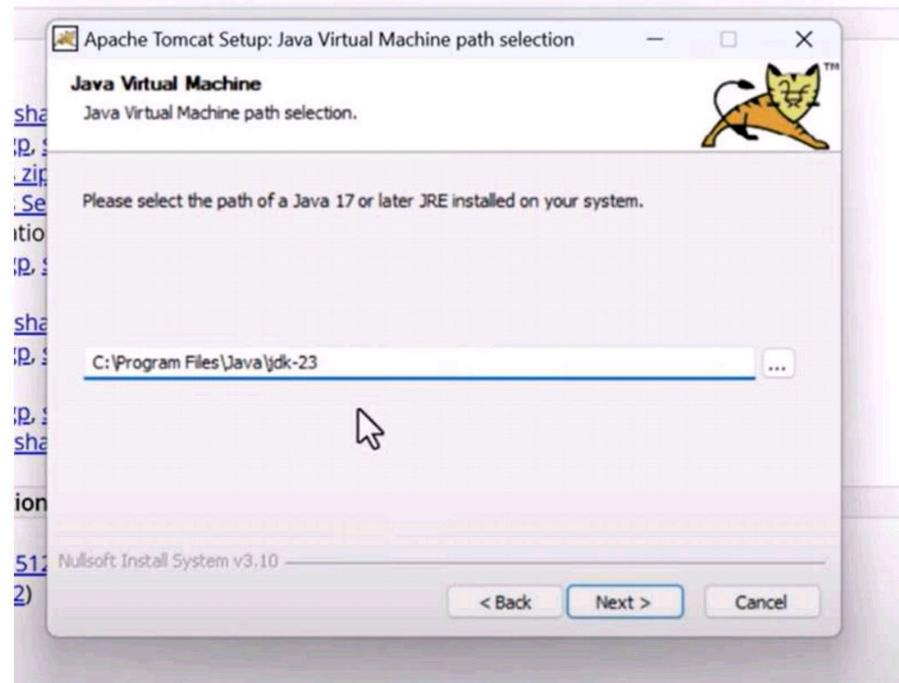
Step 1 : Go to the official Apache Tomcat website and download the latest stable version of Tomcat for your operating system.



Step 2 : Unzip the file and click on install and set username and password

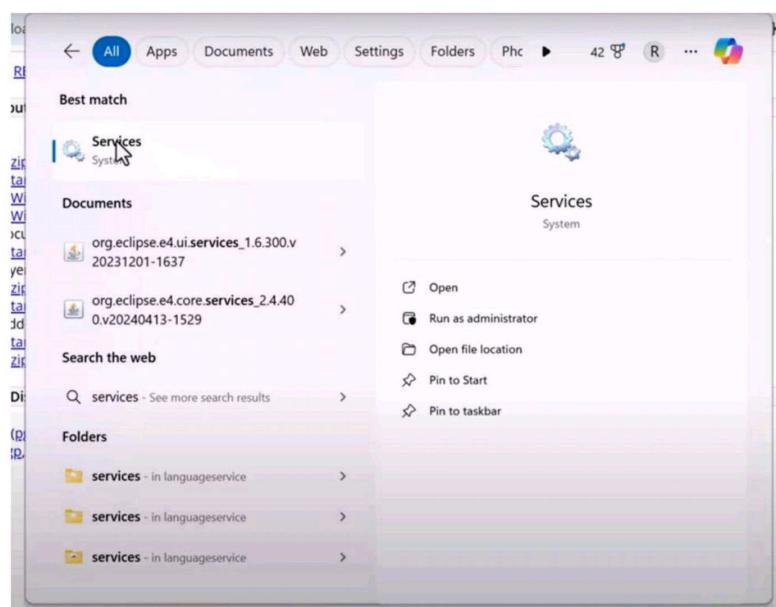


Step 3: Select jdk

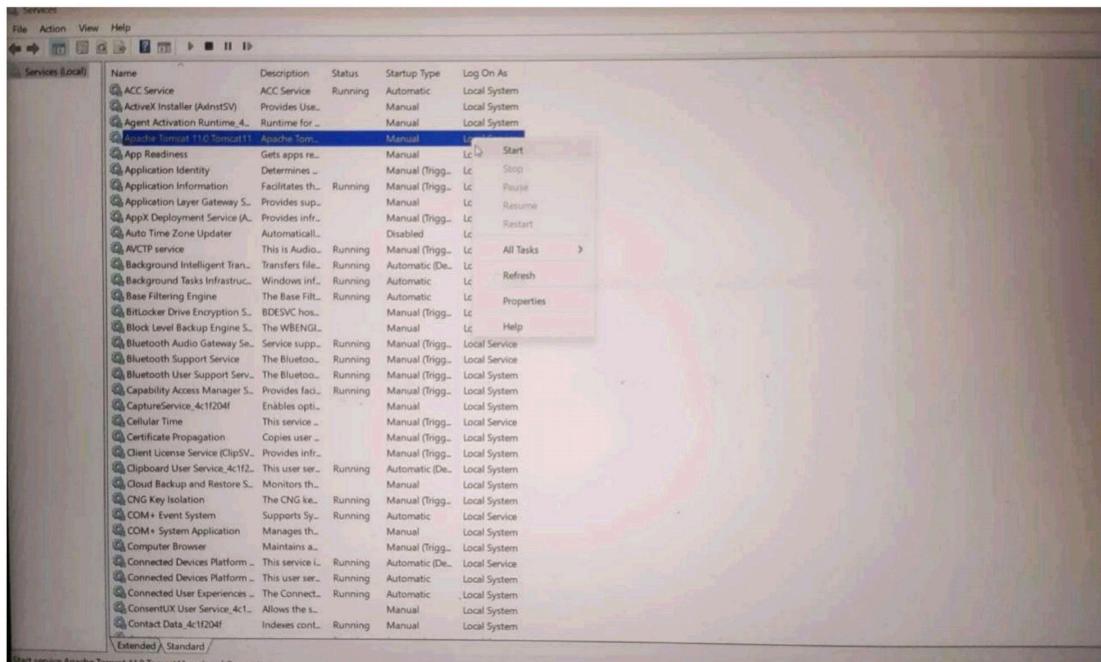


Running Apache Tomcat Server

Step 1 : Click on services

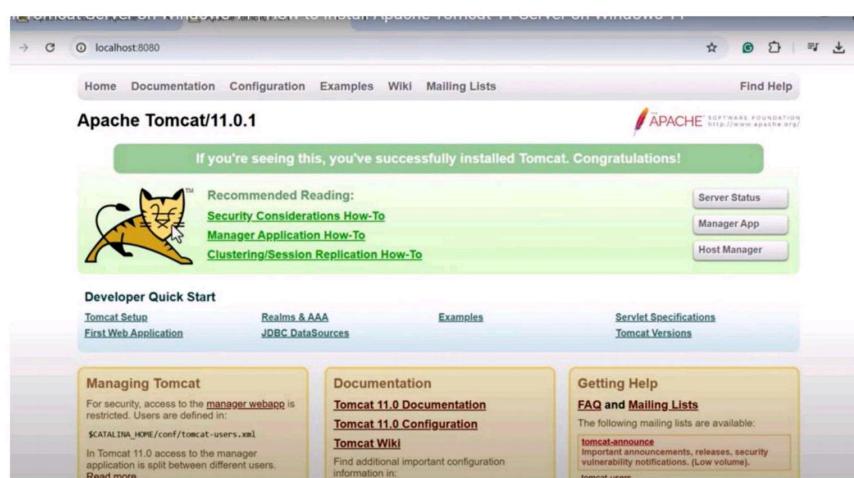


Step 2 : Right click and click on “start” server



Verifying if Apache Tomcat Server is running or not

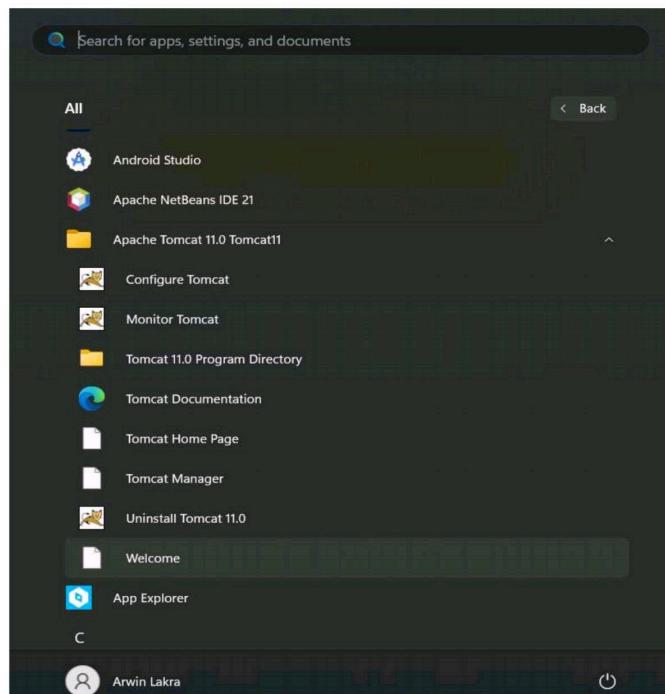
- Go to google and type “localhost:8080”
- If you see welcome page then you have successfully run the Tomcat Server



5.2 Hosting our first webpage on Tomcat server

Step 1 : Start the Tomcat server

Step 2 : Go to welcome page of Tomcat server through the Apache tomcat folder



Step 3: Write the webpage folder path in the server's search bar :



6 . Chapter 5 – Developing our Group Project

6.1 Creating Front End

Index.html

```
<html>

<head>

<div class="menubar">



<li><a href="index.html">Home</a><li>

<li>

<a href="#">Student </a>

<ul class="submenu">

<li><a href="studentregistration.html" >Student Registration</a></li>

<li><a href="studentlogin.html" > Student Login</a></li>

</ul>

<li>

<li>

<a href="#">Company</a>

<ul class="submenu">

<li><a href="companyregistration.html" >Company Registration</a></li>

<li><a href="companylogin.html" > Company Login</a></li>

<li><a href="upcomingcompanyregistration.html" > Upcoming Company
Registration</a></li>
```

```
</ul>

<li><a href="adminlogin.html">admin</a><li>

</div>

</head>

<body>

<div class="main">

<marquee behavior="scroll" direction="right" bgcolor="whitesmoke"><h1>Welcome to Placement cell</h1></marquee>

<h2>Placement cell</h2><br>

<center></center><br>

<p style="color: whitesmoke;">Our website is a crucial platform that connects students with potential employers, streamlining the recruitment process for both parties. It allows students to register and create profiles where they can upload their resumes, apply for job opportunities, and track their application statuses. Similarly, companies can register, log in, and post job openings with specific eligibility criteria, shortlist candidates, and schedule interviews. One of the key features of the website is the upcoming companies section, which provides students with details about companies visiting the campus for recruitment, including job roles, required qualifications, and interview dates. Additionally, the website includes an admin panel that enables administrators to manage student and company registrations, verify job postings, and oversee placement activities. To enhance communication and efficiency, the platform also sends automated notifications to students and recruiters regarding application deadlines, interview schedules, and placement drives. A well-structured placement website ensures transparency in the hiring process, improves accessibility to job opportunities, and enhances the overall efficiency of campus placements, benefiting both students and employers.</p>

<div class="submain" style="background-color: rgba(10, 92, 245, 0.516);padding: 12px 20px;"><h3>Key Features</h3>

<li>Student Registration & Login – Students can create an account, upload their resumes, and apply for job openings. They can also track application statuses and receive notifications about upcoming companies.</li>

<li>Company Registration & Login – Companies can register, post job openings, set eligibility criteria, and shortlist candidates. They can also schedule interviews and update hiring statuses.</li>

<li>Upcoming Companies Section – Displays details of companies visiting the campus for recruitment, including job roles, required qualifications, and interview dates.</li>
```

```
<li>Admin Panel – A centralized dashboard for administrators to manage student and  
company registrations, verify job postings, and ensure smooth placement processes.</li><br>  
</div>  
</div>  


The role of students in the Placement Website is central to the platform's purpose. Students are expected to actively engage with the portal by regularly browsing through company listings, staying updated on upcoming recruitment drives, and applying to relevant job opportunities based on their interests and eligibility. They must ensure their profiles are complete and up-to-date, including academic details, skills, certifications, and resumes. By utilizing tools such as the resume builder and placement statistics, students can better prepare for applications and interviews.</p>  
</div>  
</section>


```

```
</section>

</div>

</div>

<div class="company">

<center><h2>Role of Company </h2></center>

<p>Companies play a crucial role in the placement process by providing job opportunities and shaping students' careers. Their primary responsibility is to register on the placement website and create a profile with relevant details about their industry, job openings, and hiring process. Once registered, they can post job vacancies with specific eligibility criteria, including required skills, qualifications, and experience levels.

A key role of companies is to shortlist candidates based on their applications and resumes. They may conduct various rounds of assessments such as aptitude tests, technical interviews, group discussions, and HR interviews to evaluate the students' abilities. Companies are also responsible for communicating interview schedules, selection results, and other important details to the candidates through the placement portal.</p>

<center><div class="companyul">

<ul>Companies have to register first in the portal</ul>

<ul>They have to mention their requirements in the registration form itself</ul>

<ul>Interested company along with the students skill will be matched and <br> companies are needed to register in upcoming company link</ul>

</div></center> <br>

</div>

<style>

.submenu {

list-style: none;

padding-left: 20px;

display: none;

}

.menubar li:hover .submenu {

display: block;

```

```
z-index: 1;  
}  
  
.submenu li {  
padding: 4px;  
}  
  
.submenu li a {  
color: #bdc3c7;  
text-decoration: none;  
}  
  
.submenu li:hover {  
background: #415b76;  
}  
  
.menubar {  
display: flex;  
background-color: blue;  
}  
  
.menubar li{  
list-style-type: none;  
padding: 25px 15px;  
}  
  
.menubar a{  
color: white;  
font-size: 25px;  
text-align: center;  
}
```

```
.menubar li a{  
    text-decoration: none;  
}  
  
.menubar a:hover{  
    color: crimson;  
}  
  
.menubar img{  
    height: 80px;  
    width: 100px;  
    margin-right: 500px;  
}  
  
.main{  
    background-image: url(companybackground.jpeg);  
    background-size: cover;  
}  
  
.main h1{  
    margin: 5px;  
    color: indianred;  
}  
  
.main h2{  
    text-align: center;  
    font-size: 50px;  
    background: linear-gradient(crimson,orange);  
    background-clip: text;  
    color: transparent;  
}
```

```
font-family: Arial, Helvetica, sans-serif;  
}  
  
.main p{  
font-size: 25px;  
padding: 50px;  
font-weight: 1px;  
}  
  
.submain h3{  
font-size: 35px;  
text-align: center;  
color: yellow;  
}  
  
.submain li{  
font-size: 25px;  
padding: 5px 50px;  
color: rgba(255, 255, 255, 0.796);  
}  
  
.abvstud h2{  
color: rgba(0, 255, 255, 0.834);  
font-size: 45px;  
}  
  
.student{  
height: 600px;  
background: url(studentbackground2.jpg);  
background-position: center;
```

```
background-size: cover;
```

```
height: 700px;
```

```
}
```

```
.student p{
```

```
text-align: justify;
```

```
font-size: 25px;
```

```
padding: 40px;
```

```
font-weight: 1px;
```

```
color: whitesmoke;
```

```
}
```

```
.studentinfo{
```

```
display: flex;
```

```
justify-content: center;
```

```
}
```

```
.stud1 {
```

```
transition:1s ;
```

```
}
```

```
.stud1:hover{
```

```
transform: scale(1.2);
```

```
}
```

```
.stud1 ul{
```

```
font-size: 18px;
```

```
}
```

```
.stud1 ul:hover{
```

```
color: lightsalmon;
```

```
}

.stud2{
transition:1s ;
}

.stud2:hover{
transform: scale(1.2);
}

.stud2 ul{
font-size: 18px;
}

.stud2 ul:hover{
color: rgba(251, 14, 53, 0.867);
}

.company{
background-image: url(placementbackground2.jpg);
background-position: center;
background-size: cover;
}

.company h2{
padding: 20px;
font-size: 50px;
color: #415b76;
}

.company p{
text-align: justify;
}
```

```
font-size: 25px;  
padding: 40px;  
font-weight: 1px;  
color: black;  
}  
.company img{  
height: 400px;  
width: 700px;  
margin-bottom: 50px;  
}  
.company ul{  
font-size: 22px;  
text-align: center;  
}  
.companyul{  
background-color: rgba(0, 255, 255, 0.574);  
padding: 20px;  
width: 900px;  
height: 200px;  
margin-bottom: 10px;  
transition: 1s;  
}  
.companyul:hover{  
transform: scale(1.2);  
}
```

```
.companyul ul:hover{  
color: red;  
}  
  
footer{  
margin-top: 50px;  
display: flex;  
background-color: rgba(240, 248, 255, 0.753);  
justify-content: center;  
}  
  
.footer1 a{  
text-decoration: none;  
color: black;  
font-size: 20px;  
}  
  
.footer1 a:hover{  
color: aqua;  
}  
  
.footer2 ul{  
font-size: 20px;  
}  
  
.footer2 a{  
text-decoration: none;  
color: black;  
}  
  
.footer2 a:hover
```

```

{
color: rgb(251, 17, 251);

}

</style>

</body>

<footer>

<section class="footer1 " style="text-decoration: none; margin-right: 100px;">

<center><h2>About us</h2></center>

<center> <ul style="font-size: 22px;">Our placement portal connects students with top
recruiters,<br> ensuring a smooth hiring process for both candidates and
companies.</ul></center>

</section>

<section class="footer2" style="margin-right: 100px;">

<center><h2>Quick Links</h2></center>

<ul><a href="companydashboard.jsp">Registered Company info</a></ul>
<ul><a href="upcomingcompanyview.jsp">Upcoming Companies info</a></ul>
<ul><a href="studentdashboard.jsp">Registered Students info</a></ul>

</section>

<section class="footer3" style="margin-right: 100px;">

<center><h2>Contact info</h2></center>

<ul style="font-size: 21px;">Email: abcd@gmail.com</ul>
<ul style="font-size: 21px;">Phone: 894561273</ul>

</section>

</footer>

</html>

```

Student

The role of students in the Placement Website is central to the platform's purpose. Students are expected to actively engage with the portal by regularly browsing through company listings, staying updated on upcoming recruitment drives, and applying to relevant job opportunities based on their interests and eligibility. They must ensure their profiles are complete and up-to-date, including academic details, skills, certifications, and resumes. By utilizing tools such as the resume builder and placement statistics, students can better prepare for applications and interviews.

How to register

- First click on Student Registration Link
- Then fill all the details
- Then login into the portal
- Lastly check for the upcoming companies

How to login

- Click on the Login Link
- Enter your email and Password
- After login you can add, delete and update your student details

Role of Company

Companies play a crucial role in the placement process by providing job opportunities and shaping students' careers. Their primary responsibility is to register on the placement website and create a profile with relevant details about their industry, job openings, and hiring process. Once registered, they can post job vacancies with specific eligibility criteria, including required skills, qualifications, and experience levels. A key role of companies is to shortlist candidates based on their applications and resumes. They may conduct various rounds of assessments such as aptitude tests, technical interviews, group discussions, and HR interviews to evaluate the students' abilities. Companies are also responsible for communicating interview schedules, selection results, and other important details to the candidates through the placement portal.

Companies have to register first in the portal
They have to mention their requirements in the registration form itself
Interested company along with the students skill will be matched and companies are needed to register in upcoming company link

<p>About us</p> <p>Our placement portal connects students with top recruiters, ensuring a smooth hiring process for both candidates and companies.</p>	<p>Quick Links</p> <p>Registered Company info Upcoming Companies info Registered Students info</p>	<p>Contact Info</p> <p>Email: abcd@gmail.com Phone: 894561273</p>
---	---	--

Admin.html

```
<html><body> <form action="adminlogin.jsp" method="post" >

<div class="form-container">

<center><h3>Admin Login</h3></center><br>

<form>

<input type="text" placeholder="User name" required name="nm1">

<input type="password" placeholder="Password" required name="nm2">

<button type="submit">Login</button>

</form>

</div>

</form>

<style>

body {

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

background: #f4f4f4;

}

.form-container h3 {

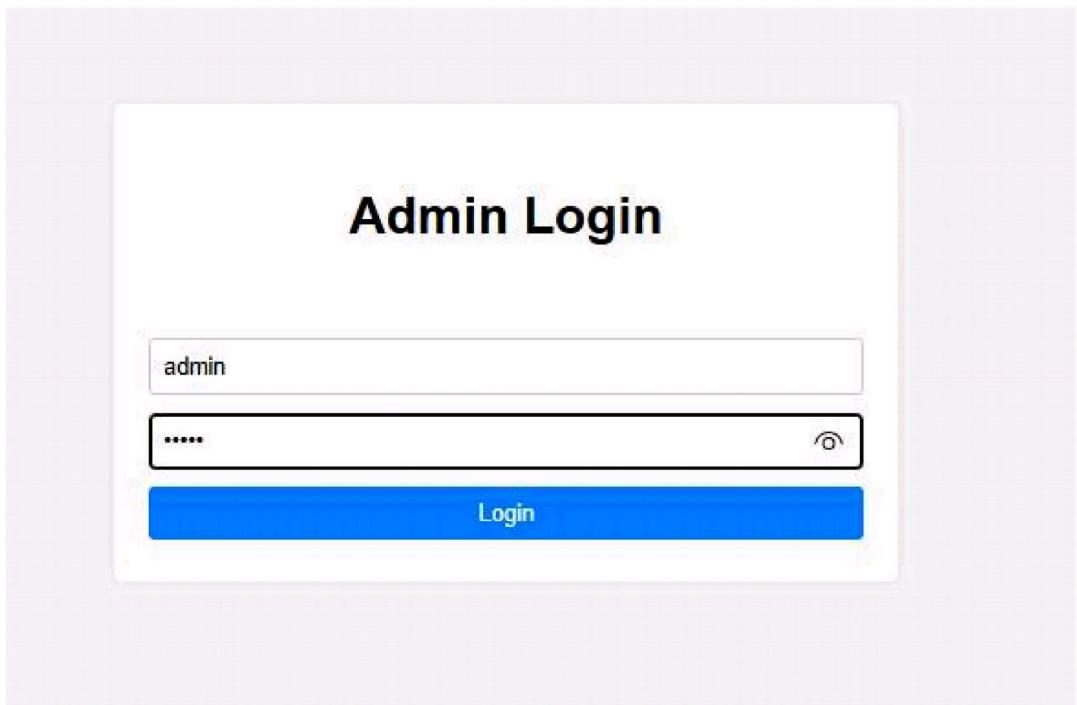
font-size: 30px;

}

.form-container {

padding: 20px;
```

```
background: white;  
border-radius: 5px;  
box-shadow: 0 0 5px rgba(0, 0, 0, 0.1);  
}  
  
input, button {  
width: 100%;  
padding: 8px;  
margin: 5px 0;  
border: 1px solid #ccc;  
border-radius: 3px;  
}  
  
button {  
background: #007bff;  
color: white;  
border: none;  
cursor: pointer;  
}  
  
button:hover{  
background-color: green;  
color: black;  
}  
  
</style></body>  
</html>
```



A screenshot of an Admin Dashboard. On the left, a sidebar lists "Dashboard", "Student Management", "Company Management", and "Logout". The main area features a large red "welcome Admin" message above a circular icon containing a person holding a gear. Below the icon is a welcome message: "Welcome admin , here you can edit , delete , update and manage records".

Student.html

```
<html>

<head>

<center><h1>Welcome Student</h1></center>

</head>

<body>

<div class="student-para">

<p>This section serves as a one-stop platform for students to access crucial placement-related information. It provides detailed insights into various recruiting companies, including job roles, eligibility criteria, and selection processes. Additionally, students can stay updated on upcoming company visits, application deadlines, and interview schedules. The portal ensures a seamless experience by offering real-time notifications and an intuitive dashboard for easy navigation. With these features, students can efficiently plan their job applications, track opportunities, and enhance their preparedness for placements, making the hiring process more structured and accessible.</p>

</div><br>

<div class="cards">

<div class="card1">

<center><h2>Companies Registered</h2></center><br>

<ul><a href="searchcompany.html">Search Registered Companies</a></ul>

<ul><a href="companydashboard.jsp">View all registered companies</a></ul>

</div>

<div class="card2">

<center><h2>Upcoming companies</h2></center><br>

<ul><a href="upcomingcompanyview.jsp">See all upcoming companies</a></ul>

</div>

</div>

</body>

<footer>
```

```
<section class="footer1 " style="margin-right: 150px;">  
    <center><h2>About us</h2></center>  
  
    <center> <ul>Our placement portal connects students with top recruiters,<br> ensuring a  
    smooth hiring process for both candidates and companies.</ul></center>  
  </section>  
  
<section class="footer2" style="margin-right: 100px;">  
  <center><h2>Quick Links</h2></center>  
  
  <ul><a href="companydashboard.jsp">Registered Company info</a></ul>  
  <ul><a href="upcomingcompanyview.jsp">Upcoming Companies info</a></ul>  
  </section>  
  
<section class="footer3" >  
  <center><h2>Contact info</h2></center>  
  
  <ul>Email: abcd@gmail.com</ul>  
  <ul>Phone: 894561273</ul>  
  </section>  
  </footer>  
  
<style>  
body {  
    font-family: Arial, sans-serif;  
    justify-content: center;  
    align-items: center;  
    height: 100vh;  
    background: url("studentbackground.jpg");  
    background-size: 2000px;  
}  
  
h1{  
  41
```

```
font-size: 50px;  
color: rgba(255, 255, 0, 0.899);  
margin-top: 30px;  
}  
  
p{  
text-align: center;  
padding: 10px 150px;  
font-size: 25px;  
color: rgba(245, 245, 245, 0.886);  
}  
  
.cards{  
display: flex;  
justify-content: center;  
}  
  
a{  
text-decoration: none;  
color: black;  
}  
  
a:hover{  
color: aqua;  
}  
  
.card1  
{  
padding: 90px 100px;  
margin-right: 80px;
```

```
background-color: rgba(245, 245, 220, 0.46);  
border-radius: 5px;  
box-shadow: 0 0 45px rgba(0, 0, 0, 0.1);  
transition: 1s;  
}  
.card1 ul a{  
font-size: 19px;  
}  
.card1:hover{  
transform: scale(1.2);  
}  
.card2{  
padding: 90px 100px;  
margin-right: 80px;  
background-color: rgba(199, 254, 150, 0.456);  
border-radius: 5px;  
box-shadow: 0 0 45px rgba(0, 0, 0, 0.1);  
transition: 1s;  
}  
.card2 ul a{  
font-size: 19px;  
}  
.card2:hover{  
transform: scale(1.2);
```

```

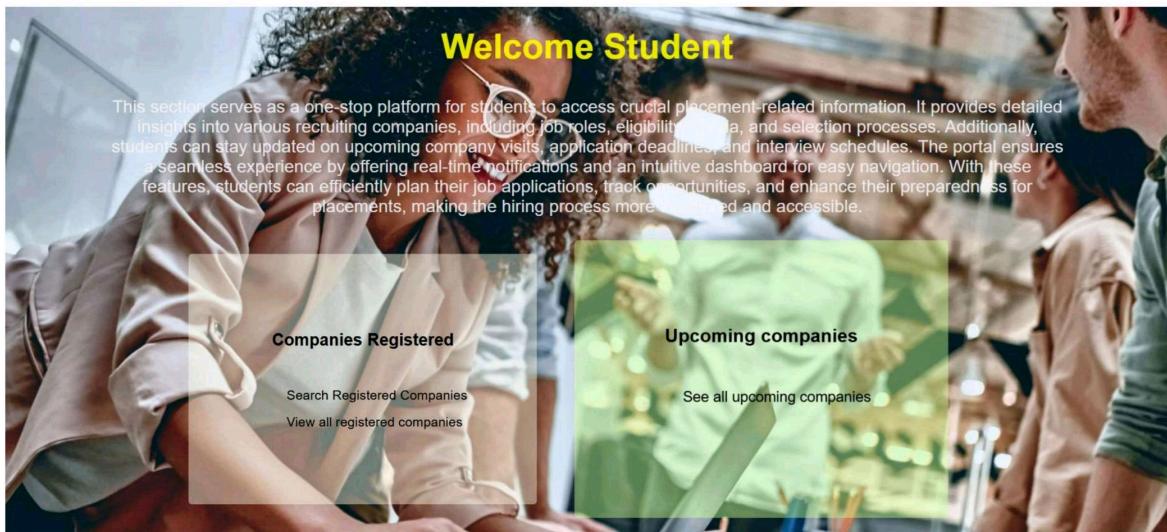
}

footer{
margin-top: 50px;
margin-bottom: 0px;
display: flex;
background-color: rgba(240, 248, 255, 0.748);
justify-content: center;
}

</style>

</html>

```



Company.html

```
<html>

<head>

<center><h1>Welcome Company</h1></center>

</head>

<body>

<div class="company-para">

<p>This section serves as a one-stop platform for students to access crucial placement-related information. It provides detailed insights into various recruiting companies, including job roles, eligibility criteria, and selection processes. Additionally, students can stay updated on upcoming company visits, application deadlines, and interview schedules. The portal ensures a seamless experience by offering real-time notifications and an intuitive dashboard for easy navigation. With these features, students can efficiently plan their job applications, track opportunities, and enhance their preparedness for placements, making the hiring process more structured and accessible.</p>

</div><br>

<div class="cards">

<div class="card1">

<center><h2>Companies Registered</h2></center><br>

<ul><a href="studentdashboard.jsp">View all registered Students</a></ul><br>

<ul><a href="upcomingcompanyregistration.html">Interested Company can register here !</a></ul>

</div>

</div>

</body>

<footer>

<section class="footer1" style="margin-right: 150px;">

<center><h2>About us</h2></center>

<center> <ul>Our placement portal connects students with top recruiters,<br> ensuring a smooth hiring process for both candidates and companies.</ul></center>


```

```
</section>

<section class="footer2" style="margin-right: 100px;">
<center><h2>Quick Links</h2></center>
<ul><a href="studentdashboard.jsp">Registered Students info</a></ul>
<ul><a href="upcomingcompanyregistration.html">Upcoming Company registration</a></ul>
</section>

<section class="footer3" style="margin-right: 100px;">
<center><h2>Contact info</h2></center>
<ul>Email: abcd@gmail.com</ul>
<ul>Phone: 894561273</ul>
</section>
</footer>
<style>
body {
    font-family: Arial, sans-serif;
    justify-content: center;
    align-items: center;
    height: 100vh;
    background: url("companybackground.jpeg");
    background-size: cover;
}
h1{
    font-size: 50px;
    color: lightgreen;
}

```

```
img{  
height: 400px;  
width: 450;  
}  
  
p{  
text-align: center;  
padding: 10px 150px;  
font-size: 25px;  
color: whitesmoke;  
}  
  
.cards{  
display: flex;  
justify-content: center;  
}  
  
a{  
text-decoration: none;  
color: black;  
}  
  
a:hover{  
color: aqua;  
}  
  
.card1  
{  
padding: 90px 100px;  
margin-right: 80px;
```

```

background-color: rgba(245, 245, 220, 0.662);

border-radius: 5px;

box-shadow: 0 0 45px rgba(0, 0, 0, 0.1);

transition: 1s;

}

.card1 ul a{

font-size: 19px;

}

.card1:hover{

transform: scale(1.2);

}

footer{

margin-top: 40px;

display: flex;

background-color: rgba(240, 248, 255, 0.766);

justify-content: center;

}

</style>

</html>

```



6.2 Creating Tables in Databases

Student table

```
Create table student (Name Varchar(20),course varchar(30),department varchar(20),semester int(5),enrollment varchar(20),sessions varchar(10),gender varchar(10),dob varchar(20),phone int(10),email varchar(30),address varchar(50),password varchar(20));
```

Company table

```
Create table company(Companyname Varchar(20),CompanyTanno varchar(30),Establishmentyear varchar(20),CEO Varchar(20),Headoffice varchar(20), ,phone int(10),email varchar(30), Employeeeno int(10),NoofBranches int(10),address varchar(50),website varchar(30),password varchar(20));
```

6.3 Creating Jsp pages

student

```
<%@ page language="java" import="java.net.*"%>
<%@ page import="java.io.*"%>
<%@ page import="java.sql.*"%>
<html>
<body>
<%
String s1 = request.getParameter("nm1");
String s2 = request.getParameter("nm2");
String s3 = request.getParameter("nm3");
String s4 = request.getParameter("nm4");
String s5 = request.getParameter("nm5");
String s6 = request.getParameter("nm6");
String s7 = request.getParameter("nm7");
String s8 = request.getParameter("nm8");
String s9 = request.getParameter("nm9");
String s10 = request.getParameter("nm10");
String s11= request.getParameter("nm11");
String s12= request.getParameter("nm12");
Connection con = null;
Statement s = null;
try
{
```

```

Class.forName("oracle.jdbc.driver.OracleDriver");

con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "system",
"123456789");

PreparedStatement ps = con.prepareStatement("insert into StudReg
values(?,?,?,?,?,?,?,?,?,?)");

ps.setString(1,s1);

ps.setString(2,s2);

ps.setString(3,s3);

ps.setString(4,s4);

ps.setString(5,s5);

ps.setString(6,s6);

ps.setString(7,s7);

ps.setString(8,s8);

ps.setString(9,s9);

ps.setString(10,s10);

ps.setString(11,s11);

ps.setString(12,s12);

ps.executeUpdate();

}

catch(Exception se){out.println(se);}

con.close();

%>

<p> your record have been submitted successfully</p>

</body>

</html>

```

Company

```
<%@ page language="java" import="java.net.*"%>
<%@ page import="java.io.*"%>
<%@ page import="java.sql.*"%>
<html>
<body>
<%
String s1 = request.getParameter("nm1");
String s2 = request.getParameter("nm2");
String s3 = request.getParameter("nm3");
String s4 = request.getParameter("nm4");
String s5 = request.getParameter("nm5");
String s6 = request.getParameter("nm6");
String s7 = request.getParameter("nm7");
String s8 = request.getParameter("nm8");
String s9 = request.getParameter("nm9");
String s10 = request.getParameter("nm10");
String s11= request.getParameter("nm11");
String s12= request.getParameter("nm12");
Connection con = null;
Statement s = null;
try
{
Class.forName("oracle.jdbc.driver.OracleDriver");
```

```

con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe", "system",
"123456789");

PreparedStatement ps = con.prepareStatement("insert into company
values(?,?,?,?,?,?,?,?,?,?)");

ps.setString(1,s1);

ps.setString(2,s2);

ps.setString(3,s3);

ps.setString(4,s4);

ps.setString(5,s5);

ps.setString(6,s6);

ps.setString(7,s7);

ps.setString(8,s8);

ps.setString(9,s9);

ps.setString(10,s10);

ps.setString(11,s11);

ps.setString(12,s12);

ps.executeUpdate();

}

catch(Exception se){out.println(se);}

con.close();

%>

<center><p style="background: linear-gradient(red,blue);background-clip: text;color:
transparent;font-size: 50px;margin-top: 60px;"> your record have been submitted
succesfully</p></center>

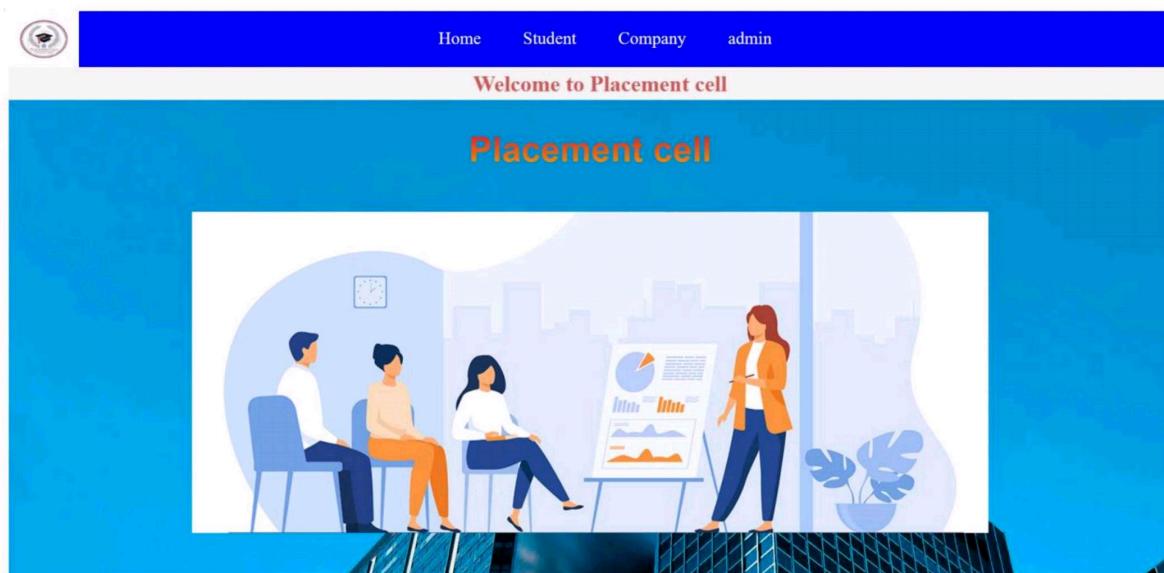
</body>

</html>

```

6.4 Final Output

Home page



Student Registration and Login Page

Two side-by-side forms. On the left is the "Student Registration" form, which has a pink-to-orange gradient background. It contains fields for NAME, COURSE (dropdown: B.Tech), DEPARTMENT (dropdown: None), SEMESTER (dropdown: 5), ENROLLMENT NO., SESSION, GENDER (radio buttons: Male, Female), D.O.B (date input: dd-mm-yyyy), PHONE, E-MAIL, ADDRESS, and PASSWORD. A "Submit" button is at the bottom. On the right is the "Student Login" form, which has a light purple background. It has fields for "Student's Email" and "Password", and a "Login" button at the bottom.

Company Registration and Login Page

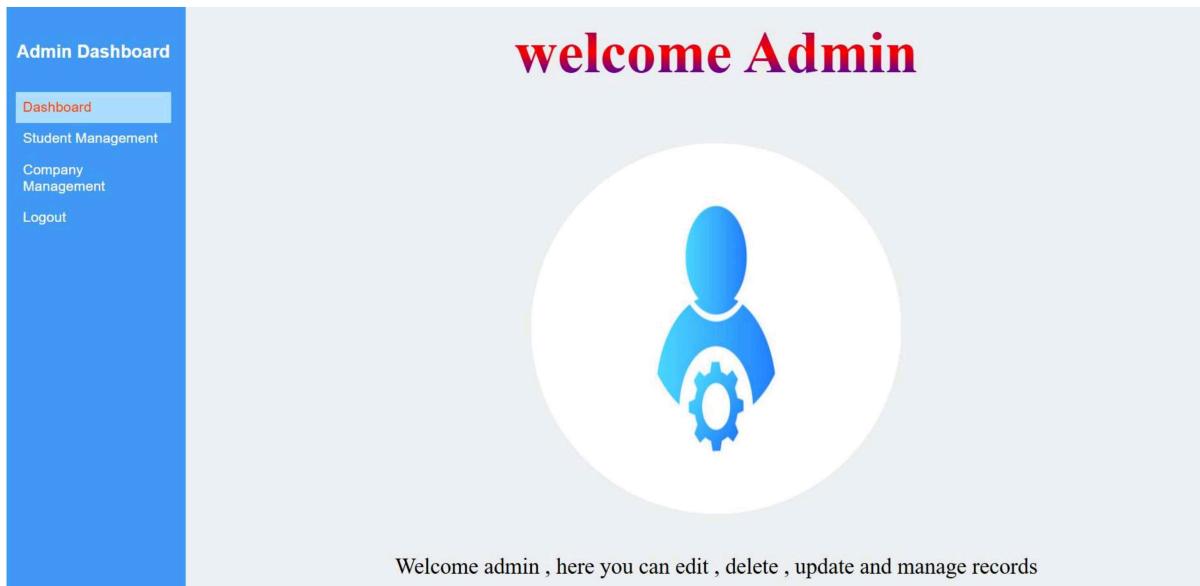
Company Registration

COMPANY NAME	<input type="text"/>
COMPANY TAN NUMBER	<input type="text"/>
YEAR OF ESTABLISHMENT	<input type="text"/>
CEO	<input type="text"/>
HEAD OFFICE	<input type="text"/>
PHONE NUMBER	<input type="text"/>
EMAIL	<input type="text"/>
NO OF EMPLOYEES	<input type="text"/>
NO OF BRANCHES	<input type="text"/>
ADDRESS	<input type="text"/>
WEBSITE	<input type="text"/>
PASSWORD	<input type="text"/>

Company Login

<input type="text" value="Company's Email"/>
<input type="password" value="Password"/>
<input type="button" value="Login"/>

Admin Dash board



7 References

1. **Oracle.** *Java Platform, Standard Edition Documentation.* Available at: <https://docs.oracle.com/javase/> Accessed on: May 2025.
2. **Spring Framework.** *Spring Boot Reference Documentation.* Available at: <https://spring.io/projects/spring-boot> Accessed on: May 2025.
3. **Thymeleaf.** *Thymeleaf: Java XML/XHTML/HTML5 Template Engine.* Available at: <https://www.thymeleaf.org/> Accessed on: May 2025.
4. **Mozilla Developer Network (MDN).** *HTML, CSS, and JavaScript documentation.* Available at: <https://developer.mozilla.org/> Accessed on: May 2025.
5. **MySQL.** *MySQL 8.0 Reference Manual.* Available at: <https://dev.mysql.com/doc/> Accessed on: May 2025.
6. **GeeksforGeeks.** *Full Stack Web Development Tutorial.* Available at: <https://www.geeksforgeeks.org/full-stack-web-development/> Accessed on: May 2025.
7. **Baeldung.** *Guide to Spring Boot and Full Stack Web Development.* Available at: <https://www.baeldung.com/spring-boot> Accessed on: May 2025.
8. **Stack Overflow.** *Community-driven Q&A for programming and software development.* Available at: <https://stackoverflow.com/> Accessed on: May 2025.
9. **Github Repository :** <https://github.com/Nitish-7858/Placement-Management-Portal.git>