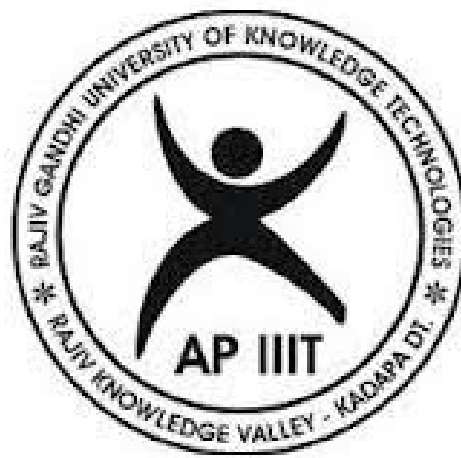# A Project Report on

<u>Campus Placement Cell</u>

Submitted by

Narayana Vishnu Kumar (R171066)

Submitted to

Under the supervision of
Ms. C Suneetha
Assistant Professor

Project Guide
Department of Computer Science and Engineering

As a part of
fulfillment of the degree of
Bachelor of Technology in
Computer Science and
Engineering.

Date: 19-09-2022

CERTIFICATE

This is to certify that the report submitted by **N Vishnu Kumar (R171066)** in fulfillment of the requirements for the award of Technology in Computer Science and Engineering is a Bonafide work carried out by him under my supervision and guidance.

Mr. P Harinadha,   **Ms. C Suneetha,**

Head of Department,   Project Coordinator,

Assistant Professor,   Assistant Professor,

Computer Science and Engineering,   Computer Science and Engineering,

RGUKT, R.KValley.   RGUKT, R.KValley.

Declaration

I hereby declare that this report submitted by me under the guidance and supervision of

Ms. C Suneetha is a Bonafide work.

I also declare that it has not been submitted previously in part or in full to this university or

other university or institution for the award of any degree or diploma.

Narayana Vishnu Kumar (R171066),

Date : 19-09-2022,

Place : RGUKT, R K VALLEY.

Acknowledgments

The success and final outcome of this project required a lot of guidance and assistance from many people and we are extremely privileged to have got this all along the completion of my project. All that I have done is only due to such supervision and assistance and we would not forget to thank them.

I am grateful to **Ms. C Suneetha** for encouragement and more over timely support and gudiance.

At the outset, I would like to thank Rajiv Gandhi University of Knowledge and Technologies, R.K Valley for providing all the necessary resources for the successful completion of my course work.

With Sincere Regards,

N .Vishnu Kumar (R171066).

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Abstract

 Campus Placement Cell (CPC) is web-based tool to reduce communication gap   between Job providers and Job seekers or students. The Main objective of this project is to make easy the recruitment process of any organization.

 This CPC is designed by keeping in mind both parties Job providers and Job seekers. CPC allows students to register their details like skills and experience with the system, and then on the other hand even it allows job providers to post their requirements with the system.

 This portal's main aim is to provide the vacancies available for the students in IT   technologies. CPC will automatically send mails to all students whose skills are matched   with the requirement.

Introduction

1 Introduction to Web Technologies

1.1 Internet

The Internet is a global wide area network that connects computer system across the world. The internet Provides different online services.

1.2 WWW(World Wide Web)

The World Wide Web -- also known as the web, WWW or W3 -- refers to **all the public websites or pages   that users can access on their local computers and other devices through the internet**.

1.3 Why web applications ?

Web applications have become an essential component of in today's world. By using the web applications, business can now develop and become simpler, and achieve their objectives much faster. Some common benefits of Web apps include: **Allowing multiple users access to the same version of an application**. Web apps don't need to be installed. Web apps can be accessed through various platforms such as a desktop, laptop, or mobile.

2. Tools And Technologies Used :

Front-End : HTML5,CSS3 AND JAVASCRIPT

Back-End : NODEJS

Database :   MySQL

Tool   **:** VS Code Editor

2.1 HTML :

HTML stands for the Hyper Text Markup Language. HTML is the standard markup language for Web pages. HTML elements are the blocks of the HTML Markup. HTML elements consist of start tag,end tag and content in between them.

2.2 CSS3 :

CSS3 stands for **Cascading Style Sheet level 3**, which is the advanced version of CSS. It is used for structuring, styling, and formatting web pages.
Several new features have been added to CSS3 and It is supported by all modern web browsers.

2.3 JAVASCRIPT :

JavaScript is a scripting language that enables you to create,dynamically updatingcontent, control   multimedia,   animate images, and pretty much everything else.

2.4 NODEJS :

Node.js is an open-source, cross-platform, back-end JavaScript runtime environment that runs on a   JavaScript Engine and executes JavaScript code outside a web browser,   which was designed to build scalable network application.

2.5 MySQL :

MySQL is a relational database management system based on the Structured Query Language, which is the popular language for accessing and managing the records in the database. MySQL is open-source and free software under the GNU license. It is supported by **Oracle Company**.

3. Learning During The Project :

3.1 JAVASCRIPT :

JavaScript, often abbreviated to JS, is a programming language that is one of the core technologies of the World Wide Web, alongside HTML and CSS. As of 2022, 98% of websites use JavaScript on the client side for webpage behavior, often incorporating third-party libraries.

3.2 DBMS :

A database management system (DBMS) is system software for creating and managing databases. A DBMS makes it possible for end users to create, read, update and delete data in a database.

3.3 SQLite3 :

SQLite is a relational database management system. It is very easy to usea database engine. It is self-contained, serverless, zero-configuration and transactional. It is very fast and lightweight, and the entire database is stored in a single disk file.It is used in a lot of applications as internal data storage.

3.4 Responsive Web Design :

Responsive web Design (RWD) is a web development approach that creates dynamic changes to the appearance of a website, depending on the screen size and orientation of the device being used to view it. RWD is one approach to the problem of designing for the multitude of devices available to customers, ranging form tiny phones to huge desktop monitors.

5. Code for Front-End :

Homepage.html

```
<!doctype html>
<html>
    <head>
        <title>Placement Cell</title>
        <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
        <link rel="stylesheet" href="./nvk.css"/>
        <link rel="stylesheet" href="./global.css"/>
    </head>
    <body>
        <div id="navbar">
            <div id="left">
                <a href="#">Home<img src="gear.png"/></a>
                <a href="companies.html">Companies<img src="gear.png"/></a>
                <a href="bhaskar/Instructions/Instructions.html">Instructions<img src="gear.png"/></a>
                <a href="modules/contact.html">Contact<img src="gear.png"/></a>
                <div id="title">Forms<img src="gear.png"/></a>
                    <div id="dropdown">
                        <a href="bhaskar/UserDetails.html">Student Details</a>
                        <a href="companyForm.html">Company Details</a>
                        <a href="companyUpdateForm.html">HiringUpdates</a>
```

```html
            </div>
        </div>
    </div>
    <div id="center">
        <p>Rajiv Gandhi University of Knowledge Technologies</p>
        <i>catering to the rural youth of Andhra Pradesh</i>
    </div>
    <div id="right">
        <a href="signup.html">Signup</a>
    </div>
</div>
<div id="part1">
    <div id="p1-left">
        Username:<br/>
        <input type="text" id="username" required/><br/>
        Password:<br/>
        <input type="password" id="password" required/><br/>
        <button onclick="signin()">Login</button>
    </div>
    <div id="p1-left2">
        <p>Hello</p><br/><h2>Student</h2><br/>
        <p>Welcome to<br/> placement cell</p>
    </div>
    <div id="p1-right">
        <img src="images/man.png"/>
        <img src="images/clg.png"/>
    </div>
</div>
<div id="part2">
    <div id="p2-center">
        <img src="images/meta.png"/>
        <img src="images/apple.png"/>
        <img src="images/netflix.png"/>
        <img src="images/google.png"/>
        <img src="images/salesforce.png"/>
    </div>
</div>
<div id="part3">
        <img src="images/docker.png"/>
```

```html
            <img src="images/huawei.png"/>
            <img src="images/ibm.png"/>
            <img src="images/oracle.png"/>
            <img src="images/intel.png"/>
            <img src="images/samsung.png"/>
            <img src="images/uber.png"/>
            <img src="images/zoom.png"/>
            <img src="images/aecom.png"/>
            <img src="images/huawei.png"/>
            <img src="images/ibm.png"/>
            <img src="images/oracle.png"/>
            <img src="images/intel.png"/>
            <img src="images/samsung.png"/>
            <img src="images/microsoft.png"/><br/>
            <p>Many more companies are visiting</p>
        </div>
        <div id="part4">
            <div id="p4-left">
                <h2>Recent Updates</h2>
                <p>22 members got selected in YuppTv company</p>
                <p>Adjoint Technologies 27<sup>th</sup> October 2022</p>
                <p>10 members got selected in MapleLabs</p>
                <p>Wipro is visiting our campus on 10<sup>th</sup> November 2022</p>

                <p>TCS is visiting our campus on 20<sup>th</sup> November 2022</p>

            </div>
            <div id="p4-right">
                <h2>Batch wise Progress</h2>
                <div    id="progress">2023<div    id="progress-bar"><div    style="width:90%;"
id="sub"></div></div></div>
                <div    id="progress">2022<div    id="progress-bar"><div    style="width:83%;"
id="sub"></div></div></div>
                <div    id="progress">2021<div    id="progress-bar"><div    style="width:85%;"
id="sub"></div></div></div>
                <div    id="progress">2020<div    id="progress-bar"><div    style="width:70%;"
id="sub"></div></div></div>
                <div    id="progress">2019<div    id="progress-bar"><div    style="width:75%;"
id="sub"></div></div></div>
            </div>
```

```html
        </div>
    </body>
    <script>
        function Signedin(){
                var ele=document.querySelector("#navbar #right a");
                ele.innerHTML="Logout";
                ele.href="#";
                ele.addEventListener("click",Signedout);
                document.querySelector("#part1 #p1-left2").style.display="block";
                document.querySelector("#part1 #p1-left").style.display="none";
        }
        function Signedout(event){
                localStorage.setItem("userDetails",JSON.stringify({"login":false}));
                if(event.target.innerHTML=="Logout"){
                    event.preventDefault();
                    var ele=document.querySelector("#navbar #right a");
                    ele.innerHTML="Signup";
                    ele.href="signup.html";}
                document.querySelector("#part1 #p1-left2").style.display="none";
                document.querySelector("#part1 #p1-left").style.display="block";
        }
        function checkAuthentication(){
            if(JSON.parse(localStorage.getItem("userDetails"))["login"]){Signedin();}
            else {Signedout();}
        }
        window.onload=checkAuthentication;
        async function signin(){
            var username=document.getElementById("username");
            var password=document.getElementById("password");
            var data={"user":username.value,"pass":password.value};
            var res=await fetch("http://localhost:8080/Authentication/signin",{"method":"post","headers":
{"Content-Type":"application/json"},"body":JSON.stringify(data)});
            var ret=await res.json();
            console.log(ret);
            if(ret.status==true){
            window.alert("login successful");

localStorage.setItem("userDetails",JSON.stringify({"login":true,"userId":ret.id,"mail":ret.username}));
                Signedin();
```

```
                    document.querySelector("#part1 #p1-left2").style.display="block";
                    document.querySelector("#part1 #p1-left").style.display="none";
                    username.value=password.value="";
                    }
                else{
                    window.alert("wrong username or password");
                    }
                }
        </script>
</html>
```

signup.html

```
<!doctype html>
<head>
    <title>Placement Cell</title>
    <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
    <style>
        html,body{
            height:100%;
        }
        *{
            box-sizing:border-box;
            margin:0;
            padding:0;
            font-family:newfont;
            outline:none;
            scroll-behavior:smooth;
            font-family:google;
        }
        @font-face{
            src:url("fonts/font.ttf");
            font-family:google;
        }
        body{
```

```css
        width:100%;
        height:100%;
        display:flex;
        justify-content:center;
        align-items:center;
}
#form{
        border:1px solid #0004;
        padding:50px 40px 50px 60px;
        width:40%;
        background:white;
        border-radius:10px;
        display:flex;
        flex-direction:column;
        align-items:flex-start;
}
#form h2{
        margin-bottom:40px;
}
#form input{
        width:300px;
        margin-bottom:20px;
        border:none;
        border-bottom:1px solid #0005;
        border-radius:5px;
        padding:5px 3px;
        font-size:15px;
}
#form input:focus{
        border-bottom:1px solid black;
        transition:0.5s;
}
#form #buttons{
```

```css
        display:flex;
        align-items:center;
        justify-content:space-around;
        width:300px;
        margin-top:20px;
    }
    #form #buttons button{
        padding:5px 15px;
        cursor:pointer;
        font-size:15px;
        background:#00fc;
        border:none;
        border-radius:5px;
        color:white;
        font-weight:700;
    }
    #form #buttons a{
        color:white;
        text-decoration:none;
    }
    #form p{
        margin-bottom:0px;
    }
    #form #buttons+a{
        margin-top:20px;
        color:black;
    }
    </style>
</head>
<body>
        <div id="form">
            <h2>Signup Form</h2>
            <p>Username:</p>
```

```html
<input placeholder="enter your email" type="email" class="signup"/>
<p>ID Number:</p>
<input type="text" class="signup"/>
<p>Password:</p>
<input type="password" class="signup"/>
<p>Retype Password:</p>
<input type="password" class="signup"/>
<div id="buttons">
    <button><a href="home.html">close</a></button>
    <button onclick="validation()">submit</button>
</div>
<a href="Mini_Project_bhaskar/UserDetails.html">Fill more details</a>
</div>
<script>
    async function validation(){
        var form=document.getElementsByClassName("signup");
        var username=form[0].value;
        var userId=form[1].value;
        var password=form[2].value;
        var retyped=form[3].value;
        console.log(username+" "+userId+" "+password+" "+retyped);
        if(password==retyped){
            var data={"user":username,"id":userId,"pass":password,"retype":retyped};
            console.log(data);
            var res=await fetch("http://localhost:8080/Authentication/signup",
{"method":"post","headers":{"Content-Type":"application/
json"},"body":JSON.stringify(data)});
            var ret=await res.json();
            if(ret.status) window.alert("User added successfully");
            else window.alert("unsuccessful registration");
        }

    }
</script>
```

```
</body>
```

userdetails.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>Mini Project</title>
    <link rel="stylesheet" type="text/css" href="styles.css">
</head>
<body>
    <div class="divtotal">
        <div id="imgdiv">
            <img src="profile.png" id="photo">
        </div>
        <div>
            <h1 id="header">User Details</h1>
            <input type="file" id="input_image" accept="image/*">
            <label for="input_image" id="input_label">Choose Profile</label>
        </div>
    </div>
    <form action="http://localhost:8080/Profile/addProfile" method="post" enctype="multipart/form-data" class="form">
        <div class="total">
            <div class="lside">
                <label id="Fname">First Name</label>
                <input type="text" name="firstName" placeholder="Enter your First Name" class="Text" style="margin-left:18px" id="Fname" required><br/><br/>
                <label for="ID">ID NUMBER</label>
                <input type="text" name="idNumber" placeholder="Enter college  Id number" class="Text" id="ID"><br/><br/>
                <label for="Mob1">Mobile1</label>
                <input type="number" name="mobile" placeholder="Enter phone number" class="Text" style="margin-left: 35px" id="Mob1" required><br/><br/>
                <label for="gmail1">Email</label>
                <input type="gmail" id="email" placeholder="Enter valid Gmail" class="Text" style="margin-left: 50px" id="gmail1" required><br/><br/>
            </div>
            <div class="rside">
```

```html
            <label for="Lname">Last Name</label>
            <input type="text" name="lastName" id="lastName" placeholder="Enter Last Name" class="Text" style="margin-left: 17px" id="Lname" required><br/><br/>
            <label for="DOB">Date of birth</label>
            <input type="Date" name="birthDate" class="Text" style="margin-left: 5px" id="DOB" required><br/><br/>
            <!--<label for="Mob2">Mobile2</label>
            <input type="number" placeholder="Enter another Phone Number" class="Text" style="margin-left: 32px" id="Mob2" required><br/><br/>
            <label for="gmail2">Alt Email</label>
            <input type="gmail" placeholder="Enter another Gmail" class="Text" style="margin-left: 24px" id="gmail2" required><br/><br/>-->
        </div>
    </div>
    <div>
        <div>
            <label style="margin-left: 20px">ADDRESS</label><br/>
            <textarea name="address" style="width:590px;height:40px;margin-left: 120px" placeholder="Enter your Address"></textarea>
        </div><br/>
        <div style="display: flex;">
            <label for="check" style="margin-left:20px" for="checking">SSC CGPA</label><input type="text" class="checking" name="marks10" id="check">
            <label style="margin-left:100px" for="12cgpa">12 CGPA</label><input name="marks12" type="text" class="checking" id="12cgpa">
            <label style="margin-left:100px" for="btech">BTECh CGPA</label><input name="marksBtech" type="text" class="checking" id="btech">
        </div><br/>
        <!--<div>
            <label for="schoolname">SCHOOL NAME</label>
            <input type="text" class="school" id="schoolname" style="margin-left: 50px"><br/><br/>
            <label for="clg">COLLEGE NAME</label>
            <input type="text" class="school" id="clg" style="margin-left: 40px"><br/><br/>
            <label for="university">UNIVERSITY NAME</label>
            <input type="text" class="school" id="university" style="margin-left: 19px">
        </div><br/>-->
        <div>
            <div>
                <label style="margin-left: 87px" for="resume" id="resumelabel">RESUME</label>
```

```html
            <input type="file" name="resume" style="margin-left: 19px" accept="application/pdf" id="resume">
        </div>
    </div><br/>
    <!--<div style="display: flex;">
        <div>
            <label for="Tech">TECHNICAL SKILLS</label>
            <input type="text" style="margin-left: 17px" class="skill" id="Tech" placeholder="Enter Technical Skills">
        </div>
        <div>
            <label for="soft" style="margin-left: 20px">SOFT SKILLS</label>
            <input type="text" class="skill" id="soft" placeholder="Enter Soft Skills">
        </div>
    </div>-->
    <br/>
</div>
<center><input type="submit" class="button"></center>
<br/>
<!--<button type="submit" class="but" >SUBMIT</button><br/><br/> -->
</form>
</body>
<script type="text/javascript" src="script.js"></script>
</html>
```

company.html

```html
<!doctype html>
<head>
    <link rel="stylesheet" href="global.css"/>
    <style>
        body{
            display:flex;
            flex-direction:column;
            align-items:center;
        }
        #heading{
            font-size:30px;
```

```css
            font-weight:500;
            margin-top:20px;
            margin-bottom:30px;
        }
        form{
            width:500px;
            border:1px solid #bbb;
            border-radius:10px;
            padding:40px 20px;
        }
        #row{
            display:flex;
            align-items:flex-start;
            height:50px;

        }
        input{
            width:300px;
            height:30px;
            border:1px solid black;
            border-radius:5px;
        }
        input[type="submit"]{
            cursor:pointer;
            width:100px;
        }
        #title{
            text-transform:capitalize;
            width:100px;
        }
    </style>
</head>
<body>
    <p id="heading">Company Details Form</p>
    <form action="http://localhost:8080/Company/addCompany" method="post" enctype="multipart/form-data">
        <div id="row"><p id="title">name:</p><input type="text" name="name"/></div>
        <div id="row"><p id="title">salary:</p><input type="text" name="salary"/></div>
        <div id="row"><p id="title">intern:</p><input type="text" name="intern"/></div>
```

```html
        <div id="row"><p id="title">ppo:</p><input type="text" name="ppo"/></div>
        <div id="row"><p id="title">description:</p><input type="text" name="description"/></div>
        <div id="row"><p id="title">mainBranch:</p><input type="text" name="mainBranch"/></div>
        <div id="row"><p id="title">logo:</p><input type="file" name="logo"/></div>
        <div id="row"><p id="title">jnf:</p><input type="file" name="jnf"/></div>
        <input type="submit"/>
    </form>
</body>
```

companyupdate.html

```html
<!doctype html>
<head>
    <link rel="stylesheet" href="global.css"/>
    <style>
        body{
            display:flex;
            flex-direction:column;
            align-items:center;
        }
        #heading{
            font-size:30px;
            font-weight:500;
            margin-top:20px;
            margin-bottom:30px;
        }
        form{
            width:500px;
            border:1px solid #bbb;
            border-radius:10px;
            padding:40px 20px;
        }
        #row{
            display:flex;
            align-items:flex-start;
            height:50px;

        }
        input{
            width:300px;
```

```
            height:30px;
            border:1px solid black;
            border-radius:5px;
        }
        input[type="submit"]{
            cursor:pointer;
            width:100px;
        }
        #title{
            text-transform:capitalize;
            width:100px;
        }
    </style>
</head>
<body>
    <p id="heading">Company Details Form</p>
    <form            action="http://localhost:8080/Company/addCompany"            method="post"
enctype="multipart/form-data">
        <div id="row"><p id="title">name:</p><input type="text" name="name"/></div>
        <div id="row"><p id="title">salary:</p><input type="text" name="salary"/></div>
        <div id="row"><p id="title">intern:</p><input type="text" name="intern"/></div>
        <div id="row"><p id="title">ppo:</p><input type="text" name="ppo"/></div>
        <div id="row"><p id="title">description:</p><input type="text" name="description"/></div>
        <div id="row"><p id="title">mainBranch:</p><input type="text" name="mainBranch"/></div>
        <div id="row"><p id="title">logo:</p><input type="file" name="logo"/></div>
        <div id="row"><p id="title">jnf:</p><input type="file" name="jnf"/></div>
        <input type="submit"/>
    </form>
</body>
```

companyupdateform.html

```
<!doctype html>
<head>
    <link rel="stylesheet" href="global.css"/>
    <style>
        body{
            display:flex;
```

```css
        flex-direction:column;
        align-items:center;
    }
    #heading{
        font-size:30px;
        font-weight:500;
        margin-top:20px;
        margin-bottom:30px;
    }
    form{
        width:500px;
        border:1px solid #bbb;
        border-radius:10px;
        padding:40px 20px;
    }
    #row{
        display:flex;
        align-items:flex-start;
        height:50px;

    }
    input{
        width:300px;
        height:30px;
        border:1px solid black;
        border-radius:5px;
    }
    input[type="submit"]{
        cursor:pointer;
        width:100px;
    }
    #title{
        text-transform:capitalize;
        width:100px;
    }
    </style>
</head>
<body>
    <p id="heading">Company Hiring Details Form</p>
```

```html
    <form action="http://localhost:8080/companyUpdate/addUpdate" method="post"
enctype="multipart/form-data">
        <div id="row"><p id="title">ID:</p><input type="number" name="id"/></div>
        <div id="row"><p id="title">Title:</p><input type="text" placeholder="Title"
name="title"/></div>
        <div id="row"><p id="title">File:</p><input type="file" name="data"/></div>
        <input type="submit" value="submit"/>
    </form>
</body>
```

companieslist.html

```html
<!doctype html>
<html>
    <head>
        <title>Placement Cell | Companies</title>
        <meta name="viewport" content="width=device-width,initial-scale=1.0"/>
        <link rel="stylesheet" href="global.css"/>
        <style>
            body{
                padding:30px 50px;
            }
            #part1{
                margin-top:80px;
                }
            #part1 button{
                padding:2px 5px;
                cursor:pointer;
            }
            #part2{
                display:flex;
                margin-top:20px;
                flex-wrap:wrap;
                border:1px solid #ccc;
                border-radius:10px;
                width:100%;
                padding:20px 20px;
                box-shadow:1px 1px 2px #ccc;
```

```css
        }
        #part2-company{
            border:1px solid #ccc;
            border-radius:5px;
            box-shadow:1px 1px 2px #ccc;
            display:flex;
            flex-direction:column;
            justify-content:center;
            align-items:center;
            padding:5px 20px;
            margin-right:50px;
        }
        #part2-company img{
            width:100px;
            height:100px;
        }
        #part2-company a{
            cursor:pointer;
            font-size:18px;
            text-decoration:none;
            font-weight:500;
            color:black;
            margin-bottom:5px;
        }
        #part2-company a:nth-child(3){
            font-size:15px;
            text-decoration:underline;
        }
    </style>
</head>
<body>
    <div id="navbar">
        <div id="left">
            <a href="home.html">Home<img src="gear.png"/></a>
            <a href="companies.html">Companies<img src="gear.png"/></a>
            <a href="bhaskar/Instructions/Instructions.html">Instructions<img src="gear.png"/></a>
            <a href="modules/contact.html">Contact<img src="gear.png"/></a>
            <div id="title">Forms<img src="gear.png"/></a>
                <div id="dropdown">
```

```html
                    <a href="bhaskar/UserDetails.html">Student Details</a>
                    <a href="companyForm.html">Company Details</a>
                    <a href="companyUpdateForm.html">HiringUpdates</a>
                </div>
            </div>
        </div>
        <div id="center">
            <p>Rajiv Gandhi University of Knowledge Technologies</p>
            <i>catering to the rural youth of Andhra Pradesh</i>
        </div>
        <div id="right">
            <a href="signup.html">Signup</a>
        </div>
    </div>
    <div id="part1">
        <button onclick="render(0)">Active</button>
        <button onclick="render(1)">Upcoming</button>
        <button onclick="render(-1)">Completed</button>
        <button onclick="render(2)">My Registrations</button>
    </div>
    <div id="part2">
    </div>
</body>
<script>
    window.onload=loadCompanies();
    let active="",upcoming="",completed="",myCompanies="";
    function render(status){
        var html="";
        if(status==0) html=active;
        else if(status==-1) html=completed;
        else if(status==1) html=upcoming;
        else if(status==2) html=myCompanies;
        document.getElementById("part2").innerHTML=html;
    }

    function fullDetails(id,name,status){

sessionStorage.setItem("companyId",JSON.stringify({"id":id,"name":name,"registerStatus":status}));
        window.open("companyFinal.html","_self");
    }
```

```javascript
async function loadCompanies(){
    var studentId=JSON.parse(localStorage.getItem("userDetails"))["userId"];
    var res=await fetch(`http://localhost:8080/Company/getAllCompanies?studentId=${studentId}`);
    var data=await res.json();
    console.log(data);
    var typeActive="",typeCompleted="",typeUpcoming="";
    //var data={"data":[{"logo":"company/yupptv.png","name":"yupptv"}]};
    data["active"].map((ele)=>{
        typeActive+=ele.id.toString();
        active+=`<div id="part2-company">
            <img src="../../${ele.logo}"/>
            <a onclick="fullDetails(${ele.id},'${ele['name']}',1)">${ele['name']}</a>
            <a onclick="fullDetails(${ele.id},'${ele['name']}',1)">view Details</a>
        </div>`;
    })
    data["completed"].map((ele)=>{
        typeCompleted+=ele.id.toString();
        completed+=`<div id="part2-company">
            <img src="../../${ele.logo}"/>
            <a onclick="fullDetails(${ele.id},'${ele['name']}',0)">${ele['name']}</a>
            <a onclick="fullDetails(${ele.id},'${ele['name']}',0)">view Details</a>

        </div>`;
    })
    data["upcoming"].map((ele)=>{
        typeUpcoming+=ele.id.toString();
        upcoming+=`<div id="part2-company">
            <img src="../../${ele.logo}"/>
            <a onclick="fullDetails(${ele.id},'${ele['name']}',0)">${ele['name']}</a>
            <a onclick="fullDetails(${ele.id},'${ele['name']}',0)">view Details</a>

        </div>`;
    })
    myRegistered=[]
    data["myCompanies"].map(company=>{
        if(typeActive.includes(company.id)) company["status"]=1;
        else company["status"]=0;
    })
```

```javascript
        data["myCompanies"].map((ele)=>{
            myCompanies+=`<div id="part2-company">
                <img src="../../${ele.logo}"/>
                <a onclick="fullDetails(${ele.id},'${ele['name']}',${ele.status})">${ele['name']}</a>
                <a onclick="fullDetails(${ele.id},'${ele['name']}',${ele.status})">view Details</a>

            </div>`;
        })
        render(0);


    }
    </script>
</html>
```

script.js

```javascript
const input_image=document.querySelector("#input_image");
const img=document.querySelector("#photo");
const imgdev=document.querySelector("#imgdev");
const input_label=document.querySelector("#input_label");

img.addEventListener("mouseenter",function()
{
    input_label.style.display="block";
})
img.addEventListener("mouseleave",function()
{
    input_label.style.display="none";
})
input_image.addEventListener("change",function()
{
    const ChoosedFile=this.files[0];
    if(ChoosedFile)
    {
        const reader=new FileReader();
        reader.addEventListener("load",function()
        {
            img.setAttribute("src",reader.result);
        });
```

```
        reader.readAsDataURL(ChoosedFile);
    }
   })
```

Code for Back-End :

Authentication.js

```
const bcrypt=require("bcrypt")
const jwt=require("jsonwebtoken")
const express=require("express")
const bodyparser=require("body-parser")
const sql=require("mysql")
const Authenticate=express.Router()
module.exports=Authenticate
Authenticate.use(express.static("./static"))
Authenticate.use(express.json());
Authenticate.use(bodyparser.urlencoded({"extended":false}));

const conn=require("./dbConnection.js");

Authenticate.post("/signin",function(req,res){
      //console.log(req.body);
      var username=req.body.user;
      var password=req.body.pass;
   /*      conn.connect(function(err){
              if(err) console.log(err);
              else{*/
                 conn.query(`select    *    from    signup    where    username='$
{username}'`,function(err,results){
                       if(err) {console.log("failure")}
                       else if(results.length==0) return res.json({"status":false})
                       else{
                           var ret=bcrypt.compareSync(password.toString(),results[0]["password"]);
```

```javascript
                        if(ret)  return  res.json({"status":true,"username":username,"id":results[0]["studentId"]})
                        else return res.json({"status":false})
                    }
                }
                )
                /*}
            })  */
    })
Authenticate.post("/signup",function(req,res){
    console.log(req.body);
    let user=req.body.user;
    let id=req.body.id;
    let password=req.body.pass;
    let retyped=req.body.retype;
    if(user.length>0 && password.length>0 && retyped.length>0){
        if(password===retyped){
            db_password=bcrypt.hashSync(password,10);
            db_username=user;
            /*conn.connect(function(err){
                if(err) console.log(err);
                else{*/
                    conn.query(`insert            into            signup            values(?,?,?)`,
[db_username,db_password,id],function(err){
                        if(err) return res.json({"status":false})
                        else{ return res.json({"status":true})
                        }
                    })
            /* }
            })*/
        }
    }
})
```

company.js

```javascript
const app=require("express")
const express=require("express");
const bodyparser=require("body-parser")
const multer=require("multer")
const company=express.Router()
const sql=require("mysql");
const fs=require("fs");
const conn=require("./dbConnection.js");
module.exports=company
company.use(app.json());
company.use(express.static("./static/frontend"))
company.use(bodyparser.urlencoded({"extended":false}))
company.use(multer({"dest":"./static/frontend/company"}).any())
company.post("/addCompany",function(req,res){
    let formData=req.body;
    let files=req.files;
    let companyFiles=[]
    console.log(formData);
    for(i in files){
        let oldpath=files[i].path;
        let                              newpath="/static/frontend/company/"+formData["name"]
+"."+files[i].mimetype.split("/")[1];
        companyFiles.push(newpath);
        fs.rename(oldpath,newpath,function(err){
                if(err) console.log(err);
            })
    }
let
details=[formData["name"],formData.salary,formData.intern,formData.ppo,formData["descriptio
n"],companyFiles[0],formData.mainBranch,companyFiles[1]];
    conn.query("insert                                                                into
company(name,salary,intern,ppo,description,logo,mainBranch,fulldetails)
values(?,?,?,?,?,?,?,?)",details,function(err){
        if(err) console.log("MODULE:COMPANY\n"+err);
    })
```

```javascript
    })

company.get("/getAllCompanies",function(req,res){
    var date=new Date();
    var              dateToday=date.getFullYear().toString()+"-"+(date.getMonth()+1).toString()
+"-"+date.getDate().toString()
    let ret={};
    conn.query(`select id,name,logo from company where id in(select id from registrations where
registrationDate<'${dateToday}')`,function(err,data){
        ret["completed"]=data;
    })
    conn.query(`select id,name,logo from company where id in(select id from registrations where
registrationDate>'${dateToday}' and startDate<'${dateToday}')`,function(err,data){
        ret["active"]=data;
    })
    conn.query(`select id,name,logo from company where id in(select id from registrations where
startDate>'${dateToday}')`,function(err,data){
        ret["upcoming"]=data;

    })
    conn.query(`select      companyId      from     studentAndcompany      where      studentId=$
{req.query.studentId}`,function(err,data){
        if(err || data.length==0){ret["myCompanies"]=[];return res.json(ret);}
        else{
            var filterData=[]
            var obj={}
            var companies=[]
            data[0]["companyId"].split(",").map(ele=>{
                if(obj[ele]==undefined){
                    obj[ele]=ele;
                    filterData.push(ele);
                }
            })
            filterData.map((id)=>{
                conn.query(`select id,name,logo from company where id=${id}`,function(err,data){
                    companies.push(data[0])
```

```
                    if(companies.length==filterData.length){
                        ret["myCompanies"]=companies;
                        return res.json(ret);}
                })
            })

        }
    })

})
company.post("/getCompanyById",function(req,res){
    //console.log(req.body);
    conn.query(`select * from company where id=${req.body.id}`,function(err,data){
        if(err) console.log(err)
        //console.log(data);
        return res.json({"json":data});
    })
})
```

index.js

```
const express=require("express");
const app=express();
const authenticate=require("./Authentication.js");
const profile=require("./profile.js");
const cors=require("cors");
const company=require("./company.js")
const mail=require("./mail.js")
const companyUpdate=require("./companyUpdate.js");

const corsOptions = {
  origin: '*',
}
app.use(cors(corsOptions))
app.use(express.static("./static"));
app.use(express.static("./static/frontend"));
```

```javascript
app.use(express.static("./company"));
app.use("/Authentication",authenticate);
app.use("/Profile",profile)
app.use("/Company",company)
app.use("/mail",mail)
app.use("/companyUpdate",companyUpdate)

app.get("/",function(req,res){
    res.sendFile(__dirname+"/static/frontend/home.html");
})

app.listen(8080,function(){
    console.log("Activated");
    })
```

profile.js

```javascript
const express=require("express");
const bodyparser=require("body-parser")
const multer=require("multer")
const profile=express.Router()
const sql=require("mysql");
const fs=require("fs");
let conn=require("./dbConnection.js")
module.exports=profile
profile.use(express.static("./static/frontend"))
profile.use(bodyparser.urlencoded({"extended":false}))
profile.use(multer({"dest":"./resume"}).any())
profile.post("/addProfile",function(req,res){
    console.log(req.body);
    var details=req.body;
    var totalDetails=[details.idNumber,details.firstName,details.lastName,details.mobile,details.birthDate,details.address,details.marks10,details.marks12,details.marksBtech];
    conn.query("insert into profile values(?,?,?,?,?,?,?,?,?)",totalDetails,function(err){
        if(err) console.log(err);
```

```
        })
        fs.readFile(req.files[0].path,function(err,data){
            if(err) console.log(err)
            else{
                fs.writeFile(__dirname+"/resume/"+req.body.idNumber+".pdf",data,function(err){
                    if(err) console.log(err)
                    else {fs.unlink(req.files[0].path,function(err){
                        if(err) console.log(err);
                        else res.sendFile(__dirname+"/static/frontend/home.html");
                    }
                    );}
                })
            }
        })
    })
})
```

mail.js

```
var exp=require("express")
const bodyparser=require("body-parser")
var mail=exp.Router()
var nodemailer=require("nodemailer")
const conn=require("./dbConnection.js")
mail.use(exp.json())
mail.use(bodyparser.urlencoded({"extended":false}));
const transporter=nodemailer.createTransport({
    "service":"gmail",
    "auth":{
        "user":"narayanavishnukumar@gmail.com",
        "pass":"iiugunygyfmwszxa"
    }
})
const message={
    "from":"narayanavishnukumar@gmail.com",
    "to":"",
    "subject":"Registration Successful",
    "html":"<h1>This message is from placement cell</h1>",
```

```
    "attachments":[
        {
            "filename":"CompanyDetails.pdf",
            "path":"./company/google.pdf"
        }
        ]
}
module.exports=mail
function notify(id,res){
    conn.query(`select fulldetails from company where id=${id}`,function(err,data){
        message["attachments"][0].path="./static/frontend/"+data[0].fulldetails;
        transporter.sendMail(message,function(err,info){
            if(err){ return res.json({"status":false,"msg":"unsuccessful registration"});}
            else return res.json({"status":true,"msg":"successful registration"});
        })
    })
}

mail.post("/main",function(req,res){
    message["to"]=req.body.email;

    conn.query(`select        studentId       from       signup      where     username='$
{req.body.email}'`,function(err,data){
        if(err) console.log(err);
        else{
            conn.query(`select   companyId   from   studentAndcompany   where   studentId='$
{data[0].studentId}'`,function(err,result){
                if(result.length==0){
                    conn.query("insert        into        studentAndcompany        values(?,?)",
[data[0].studentId,req.body.companyId],function(err){
                        if(err){ return res.json({"status":false,"msg":"unsuccessful registration"});}
                        else notify(req.body.companyId,res);
                    })
                }
                else{
                    if(result[0]["companyId"].includes(req.body.companyId)){
```

```
                    return res.json({
                        "status":false,
                        "msg":"already registered"
                    })
                }
                companies=result[0]["companyId"]+","+req.body.companyId.toString();
                conn.query(`update studentAndcompany set companyId='${companies}' where
studentId='${data[0].studentId}'`,function(err){
                    if(err){ return res.json({"status":false,"msg":"unsuccessful registration"});}
                    else notify(req.body.companyId,res);
                }
            }
        })
    }
})

})
```

DATABASE CONNECTION :

```
const sql=require("mysql")
const conn=sql.createConnection({
    "host":"localhost",
    "user":"root",
    "password":"",
    "database":"placementCell"
})
conn.connect(function(err){
    if(err) console.log(err);
    else console.log("database connection established");
})
module.exports=conn
```

5 . MODULES :

The main aim of this website is to make job searching process easier. Students or Job seekers can log in to the website and apply for jobs which can match their skills.
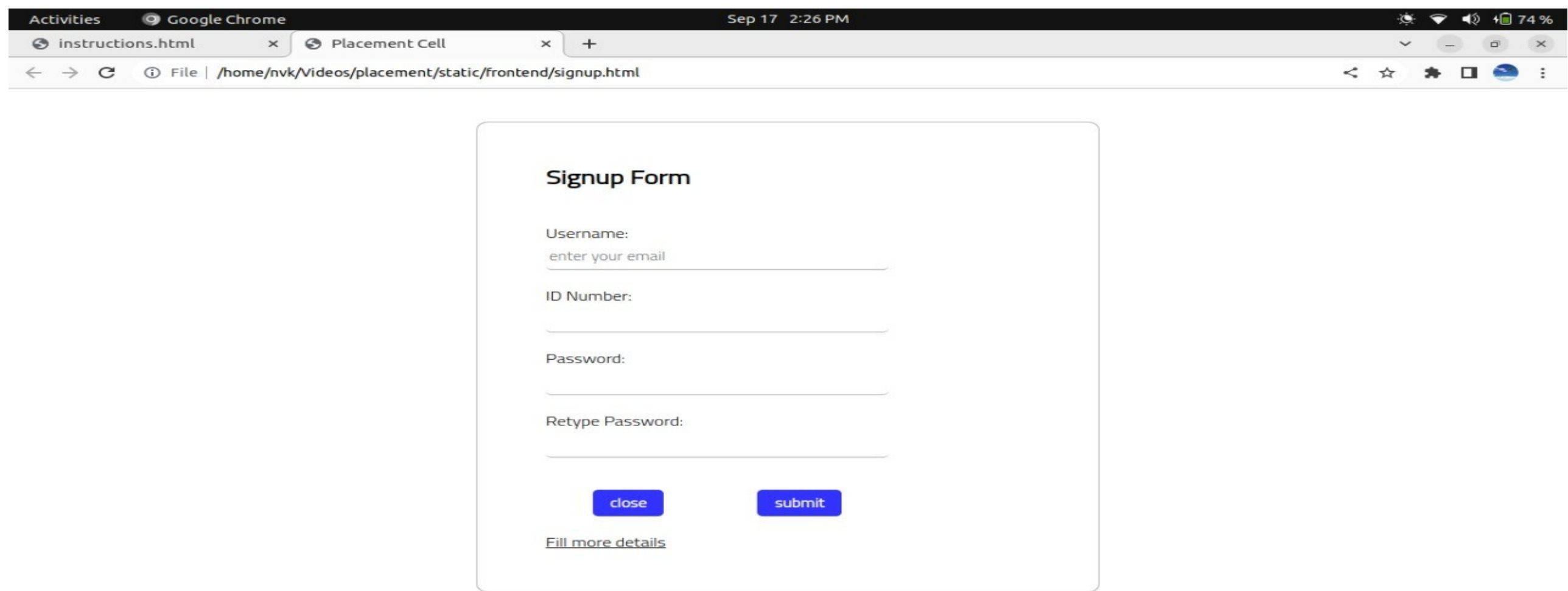
5.1 Home Page :

This page contains all the navigation steps of the website.
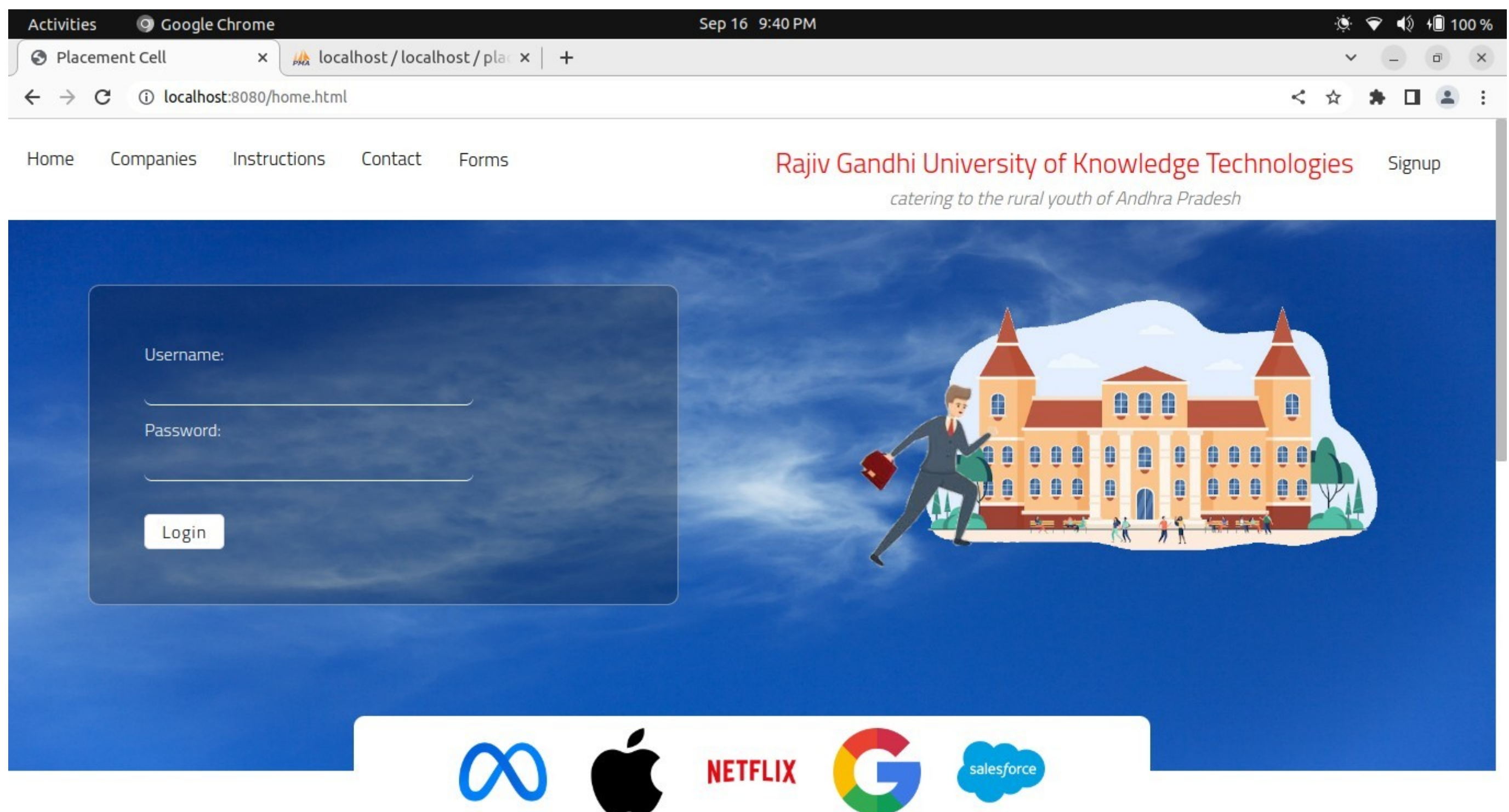
5.2 Sign Up Page :

This is the page where user can do sign up process, if the user is new to the website.
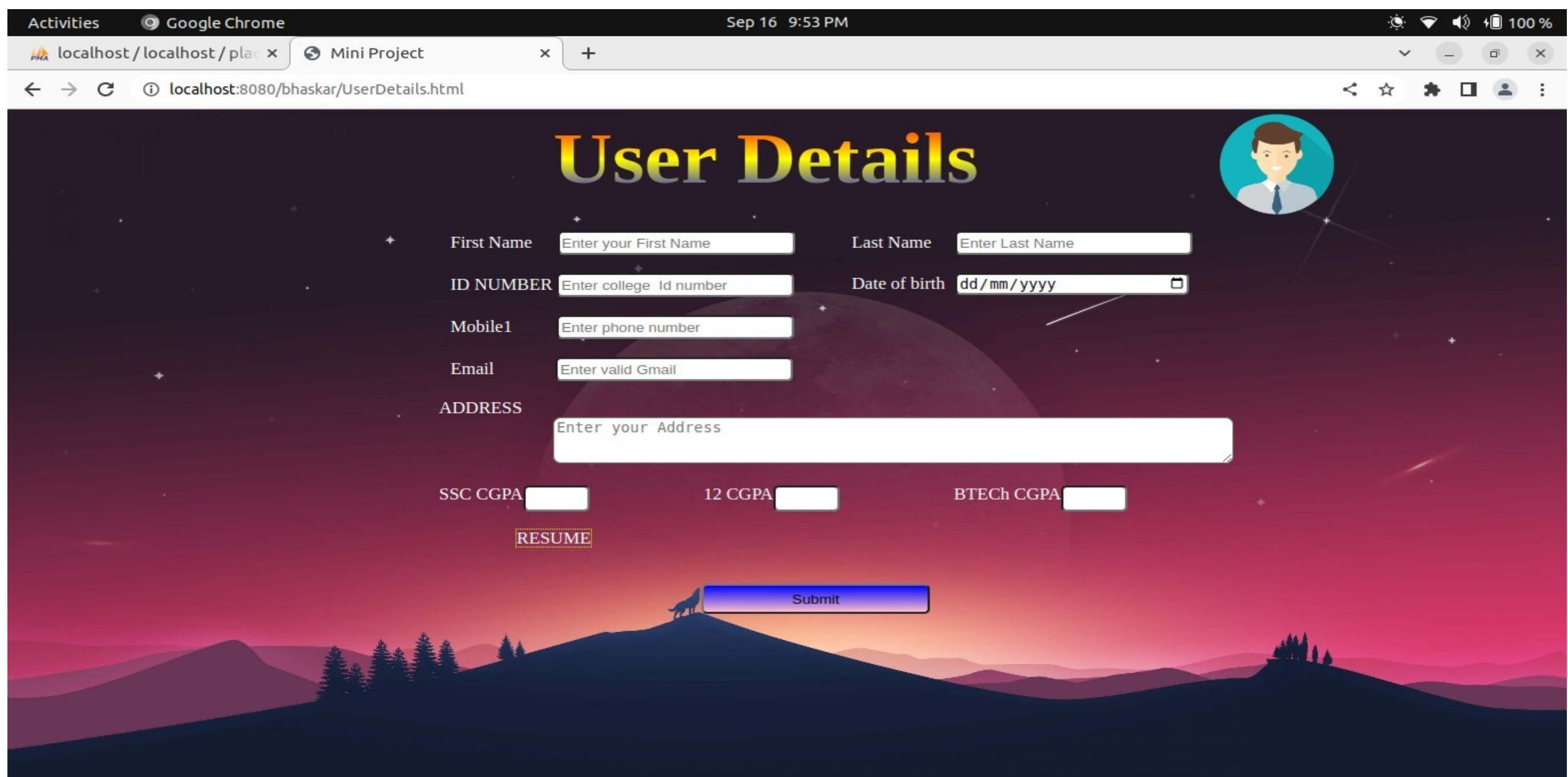

5.3 User Details Page :

This page allows users can enter their details to apply for job.

5.4 Dashboard Page :

This page provides the statistics of students those who placed in companies.
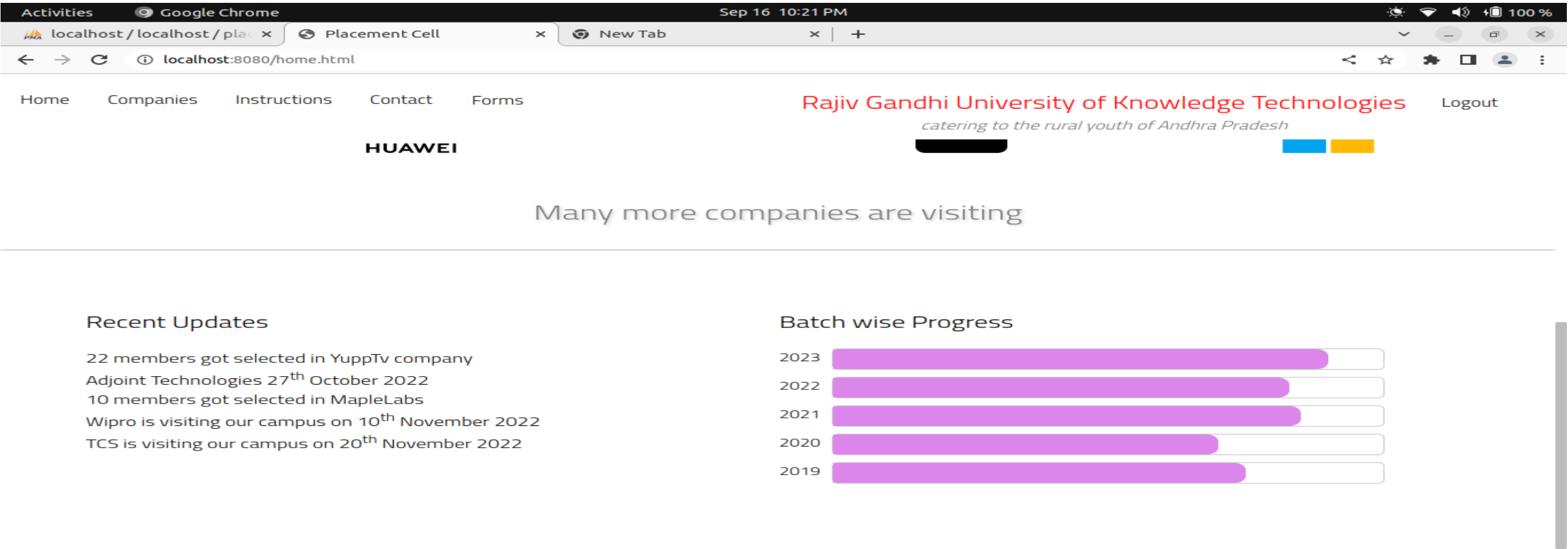
5.5 Company details Page :

This page provides information about company and job role specifications.
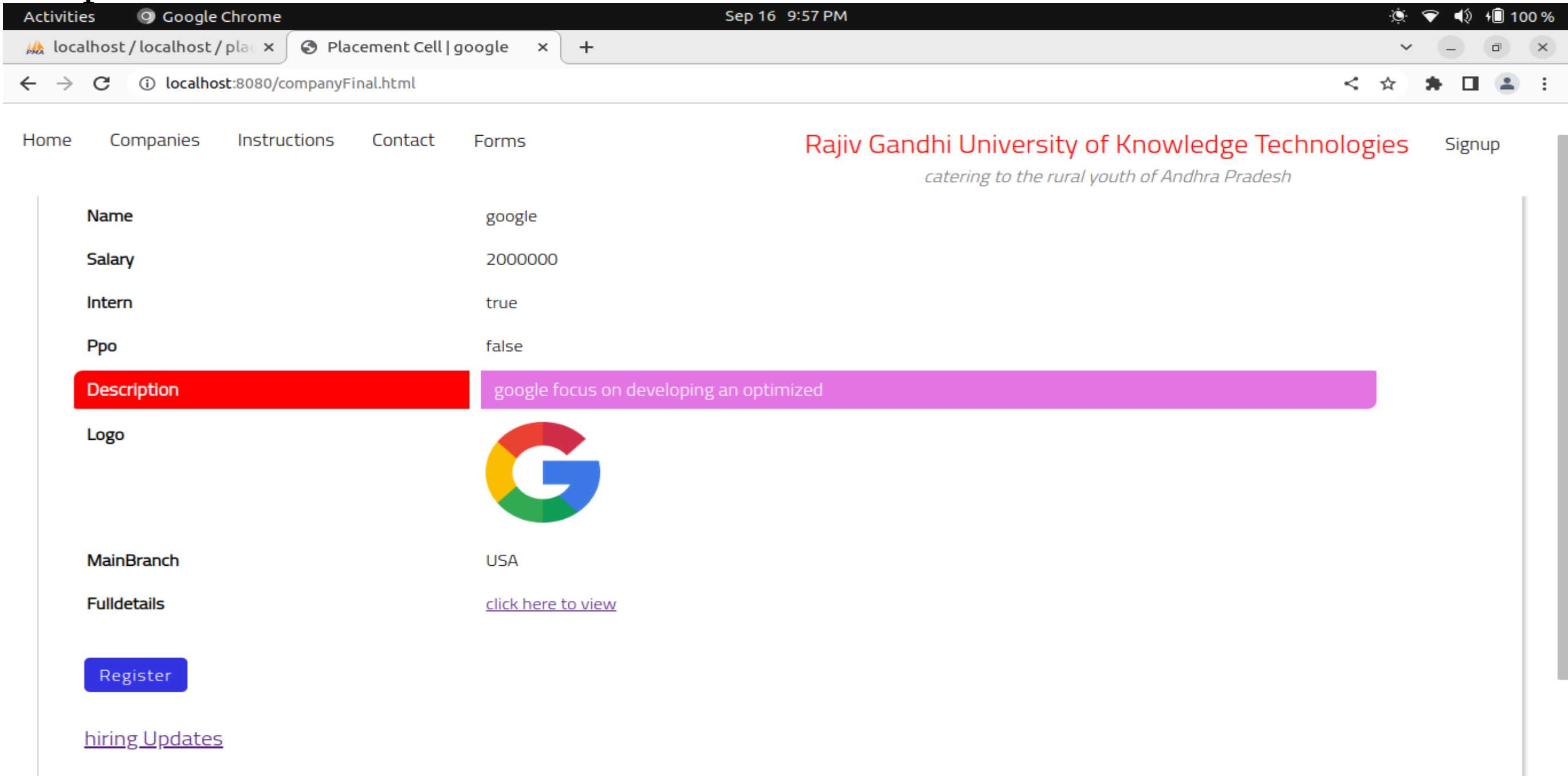
5.6 company page :

This page helps to view all the companies which are coming for hiring and display registered companies.
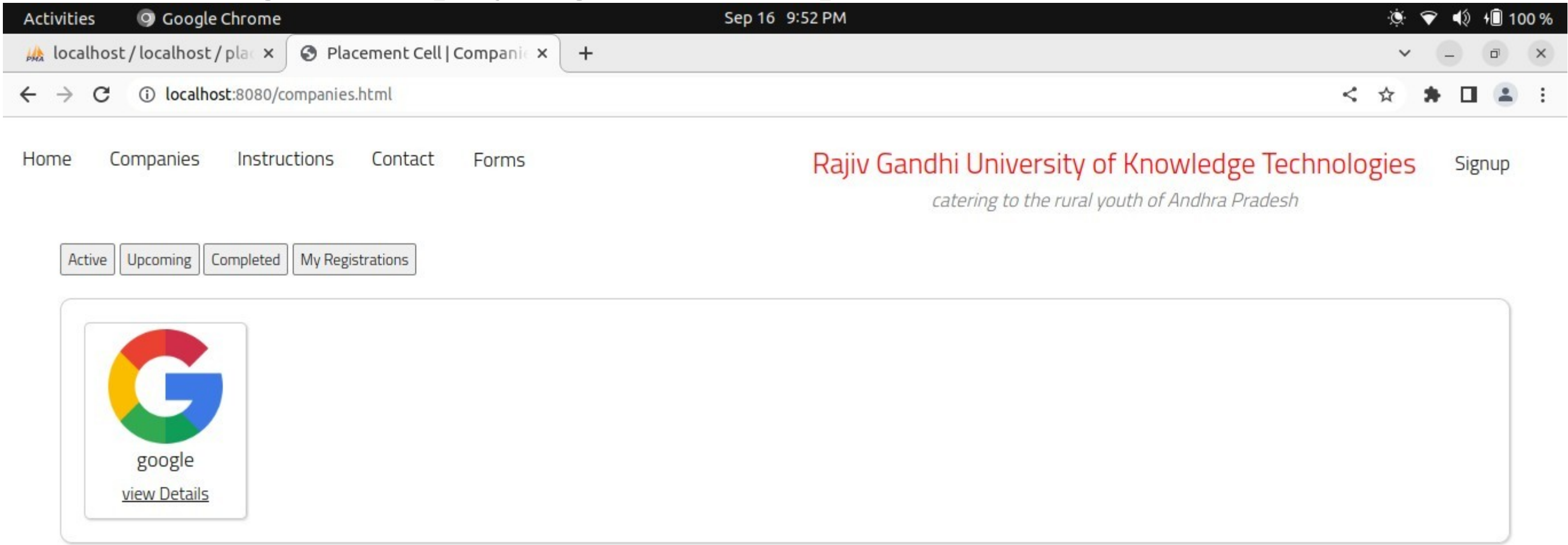
5.7 Company Details Form :

This page is used to register company details.
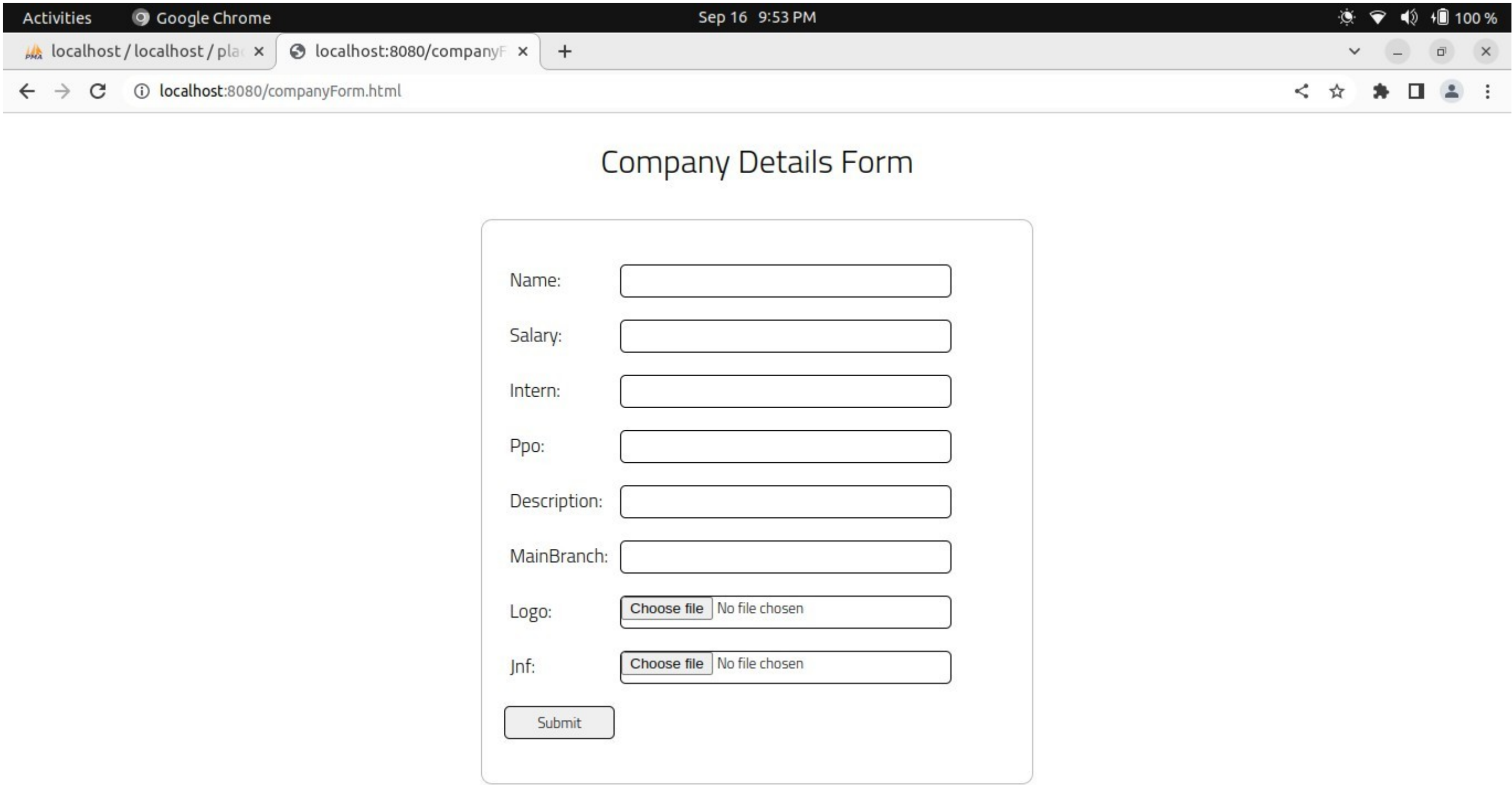
5.8 List Of Companies Page :

This page displays the list of companies to apply for jobs.

5.9 Company Hiring Details Page :

5.10 Instructions Page :

This page displays rules and regulations regarding placements.

Instructions - Placement Cell

Rules

1. Every student is eligible to register and those only will be considered for applying to appear in any of the campus recruitment drives.
2. Students, who are interested to pursue their further studies (or) not interested in doing jobs, are strictly instructed not to register for placements.
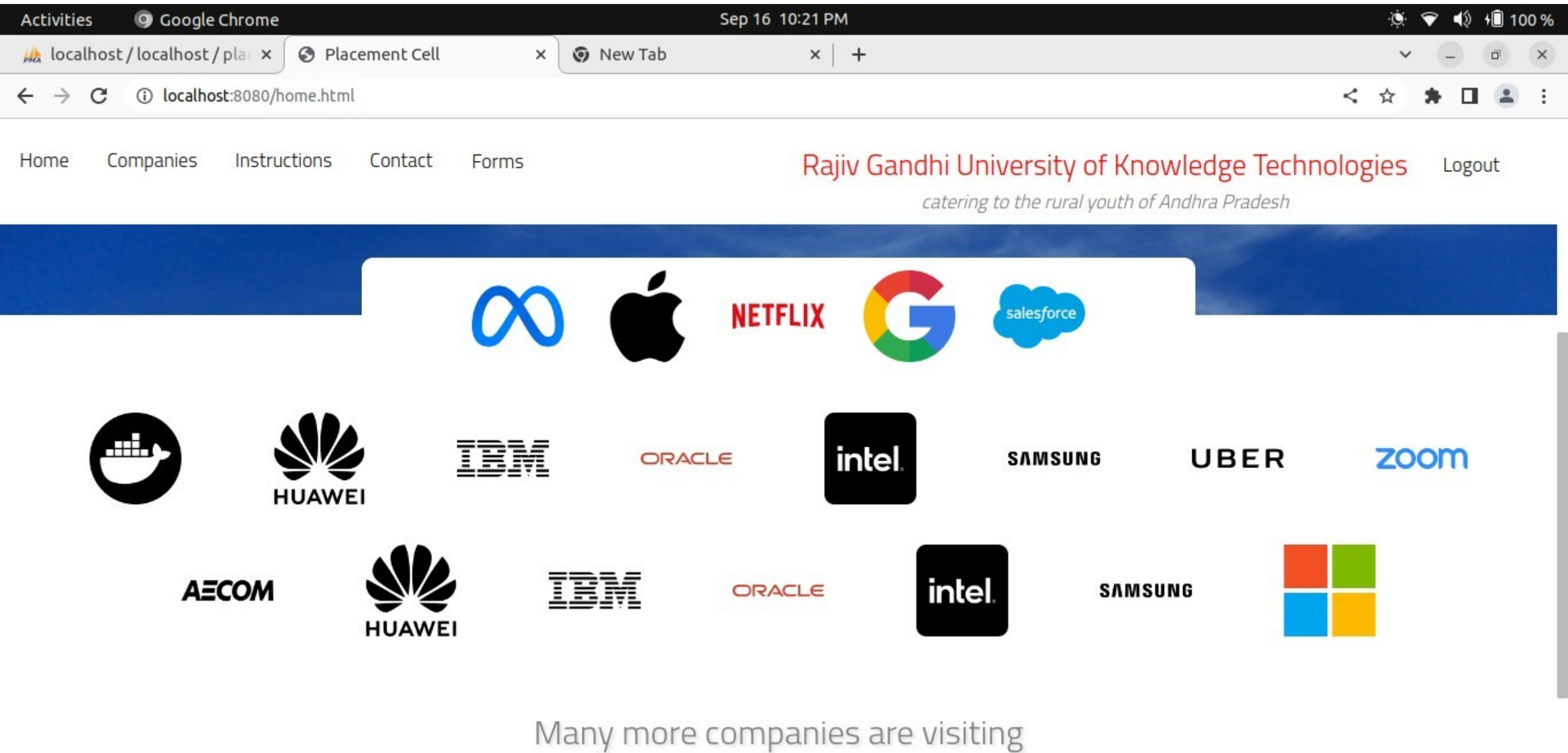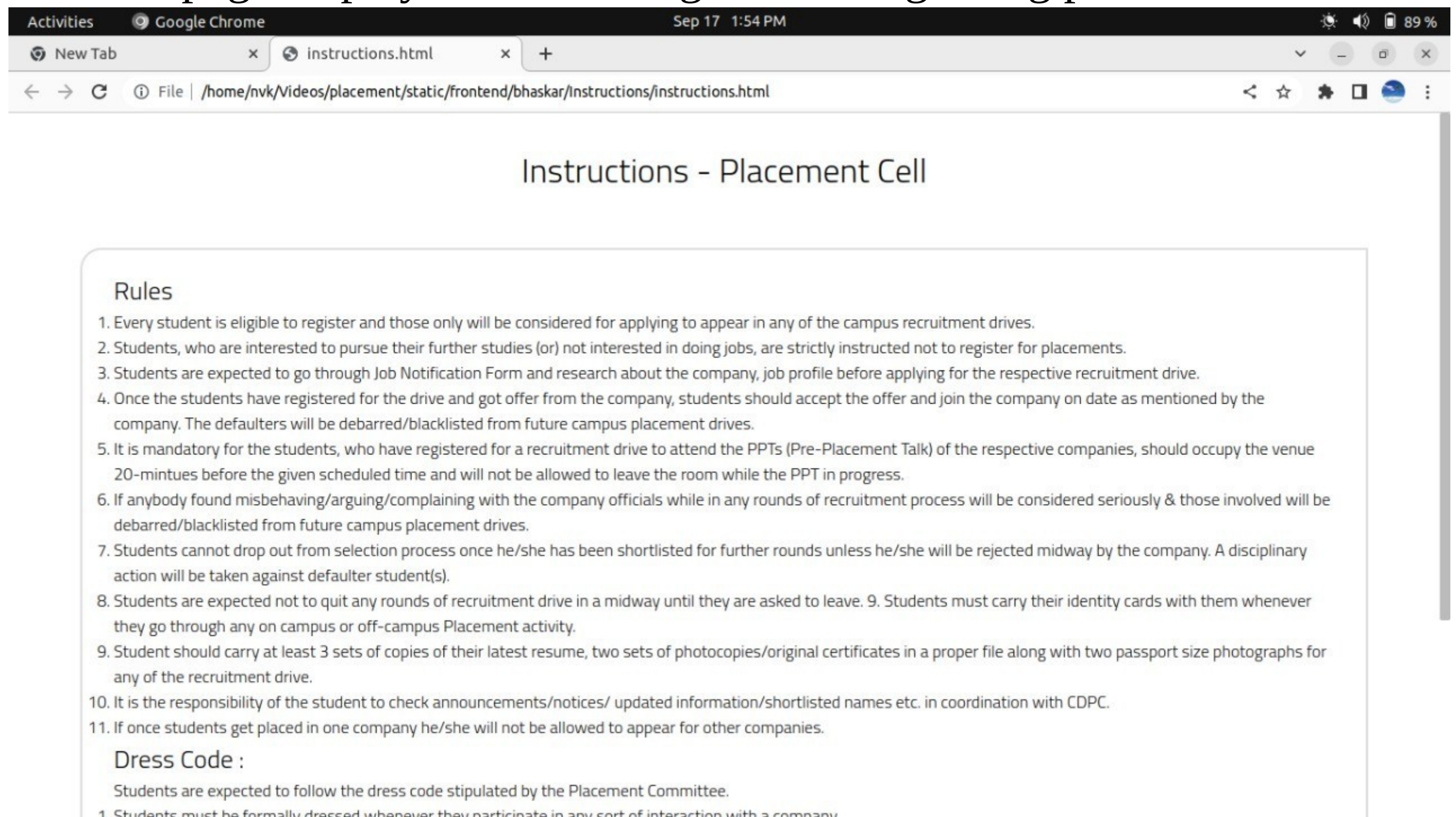3. Students are expected to go through Job Notification Form and research about the company, job profile before applying for the respective recruitment drive.
4. Once the students have registered for the drive and got offer from the company, students should accept the offer and join the company on date as mentioned by the company. The defaulters will be debarred/blacklisted from future campus placement drives.
5. It is mandatory for the students, who have registered for a recruitment drive to attend the PPTs (Pre-Placement Talk) of the respective companies, should occupy the venue 20-mintues before the given scheduled time and will not be allowed to leave the room while the PPT in progress.
6. If anybody found misbehaving/arguing/complaining with the company officials while in any rounds of recruitment process will be considered seriously & those involved will be debarred/blacklisted from future campus placement drives.
7. Students cannot drop out from selection process once he/she has been shortlisted for further rounds unless he/she will be rejected midway by the company. A disciplinary action will be taken against defaulter student(s).
8. Students are expected not to quit any rounds of recruitment drive in a midway until they are asked to leave. 9. Students must carry their identity cards with them whenever they go through any on campus or off-campus Placement activity.
9. Student should carry at least 3 sets of copies of their latest resume, two sets of photocopies/original certificates in a proper file along with two passport size photographs for any of the recruitment drive.
10. It is the responsibility of the student to check announcements/notices/ updated information/shortlisted names etc. in coordination with CDPC.
11. If once students get placed in one company he/she will not be allowed to appear for other companies.

Dress Code :

Students are expected to follow the dress code stipulated by the Placement Committee.

1 Students must be formally dressed whenever they participate in any sort of interaction with a company

6. References :

https://developer.mozilla.org/
https://www.w3schools.com/

7. Future Scope :

This system is helpful for the college campus recruitment process for training and placement department to shortlist students in advance and prepares students for placements.

8. Conclusion :

From a proper analysis of positive points and constraints on the CPC, it can be safely concluded that the project CPC is a highly e client GUI based component. Nowadays manual process of searching a job of one's choice as well as searching the appropriate candidate for a specific job has become a huge task and so realizing the need for easy management of this process, the site has been developed.

It is very easy to update and maintain information through this site. The main features of this site include exibility, ease of manipulation of information, easy access searching, storage,reduction of manual work in an e client manner, a quick, convenient, reliable,timely and active way to reach recruiting, search and employment professionals worldwide and it is also very economical.