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**YEAR AND DEPT: 3<sup>rd</sup> year, CSE A**

**UCS 2611 Internet Programming**  
**CAT Assignment - 2**



Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110  
(An Autonomous Institution, Affiliated to Anna University, Chennai)  
Computer Science and Engineering

Course Code	UCS1601	Course Name	Internet Programming					
Course Type	<b>Theory</b>	Course Category	Professional Core (PC)	L	T	P		
				3	0	0		
Regulation	<b>R-2021</b>		Academic Year	<b>2024-25 (Even)</b>				
Degree and Branch	<b>B.E. Computer Science &amp; Engineering</b>		Batch	<b>2022-26</b>				
Semester	<b>VI</b>		Faculty Name	<b>Dr. S. Raghavendra Kumar Dr. B. Prabavathy Dr. Rajeswari</b>				
Department Offering the Course			<b>Computer Science and Engineering</b>					

**OUTCOMES**

On successful completion of this course, the student will be able to:

1. Make use of HTML5 and CSS3 to design modern web site (K3)
2. Utilize Javascript and DOM to implement dynamic web page (K3)
3. Develop responsive web applications using Servlets and AJAX (K3)
4. Build web application using ReactJS framework (K3)
5. Develop web application using NodeJS framework (K3)

**CAT 2 – Assignment**  
**Validation Phase of InternTrack Full Stack Web Application**

Students gain practical experience by doing internship in industries. It bridges the gap between academic knowledge and real-world applications. In the organization, there needs to be a tracking mechanism that maintains the details of the information related to internships.

The objective of InternTrack Full Stack Web Application is to have credentials for Student and Coordinator with necessary authorization. It has the following basic functionalities:

- Load the Details with the necessary proofs
- View the list of the internship
- Retrieve the information
- Edit the details

**Description of Load Functionality**

The input for the Load form is as follows:

Batch, Register Number, Name, Email, Mobile Number, Internship obtained through CDC, Internship Abroad, Duration of Internship, Company Name, Stipend and many more.

Design functionalities using JavaScript and DOM to validate the given inputs for the necessary patterns. (CO2, K6)

In addition, the input entered by the students need to be checked against the proof document using Python Tesseract library. Also, the uploaded document can be renamed according to the document.

For example: If a student bearing register number 1101 is uploading Permission Letter, the uploaded needs to be renamed as 1101-Permission Letter irrespective of the name in which the file is uploaded.

A functionality to create a folder corresponding to the register number and keep the respective file in the folder during the submission of the document.

## **Unique features implemented**

- **Coordinator Dashboard:** View, edit student details, and access uploaded documents with multiple filters.
- **Student Dashboard:** Sign-up form, edit details, view entered data, and upload documents.
- **Secure Password Storage:** Passwords are stored using hashing for security.
- **Google Drive Folder Creation:** Automatically creates a folder for each student to store documents.
- **SSN-Themed UI:** Professional design with a modern glassmorphism effect.
- **Google Sheets & Drive Integration:** Data is stored and updated dynamically.
- **Multiple File Uploads:** Allows students to upload multiple documents under the same profile.
- **OCR-Based Auto-Renaming:** Uploaded documents are scanned using OCR, and files are automatically renamed based on detected keywords.
- **Form Validation with Alerts:** Built-in form validation with alert messages to notify users of missing or incorrect entries.
- **Excel Editing via HTML:** Enables real-time editing of Google Sheets from the web interface.

## **CODE: HTML FILES**

### **Index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Login</title>
    <link rel="stylesheet"
        href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
    <link rel="stylesheet"
        href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
<style>
    /* Background Styling */
    body {
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh;
        background:
            url('https://source.unsplash.com/1600x900/?technology,futuristic')
            no-repeat center center/cover;
        position: relative;
        overflow: hidden;
    }

    /* Glassmorphism Effect */
    .login-container {
        background: rgba(255, 255, 255, 0.15);
        backdrop-filter: blur(10px);
        padding: 25px;
        border-radius: 15px;
        box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
        width: 320px;
        text-align: center;
        border: 1px solid rgba(255, 255, 255, 0.2);
    }

    .title {
        font-size: 24px;
        font-weight: bold;
    }
```

```
        color: white;
        margin-bottom: 15px;
    }

    .input {
        width: 100%;
        margin-bottom: 10px;
        padding: 10px;
        border-radius: 8px;
        border: none;
        outline: none;
        font-size: 14px;
    }

    .button {
        width: 100%;
        background: linear-gradient(135deg, #3273dc, #0a58ca);
        color: white;
        border-radius: 8px;
        padding: 10px;
        border: none;
        cursor: pointer;
        font-weight: bold;
        transition: 0.3s;
    }

    .button:hover {
        background: linear-gradient(135deg, #0a58ca, #3273dc);
        transform: scale(1.05);
    }

    .message {
        color: red;
        margin-top: 10px;
        font-size: 14px;
    }

    a {
        color: rgb(241, 18, 234);
        text-decoration: underline;
    }
```

```
        font-weight: bold;
        font-size: 16px;
    }

/* Marquee Animation */
.marquee {
    position: absolute;
    top: 20px;
    width: 100%;
    font-size: 18px;
    font-weight: bold;
    color: white;
    background: rgba(0, 0, 0, 0.5);
    padding: 5px 0;
    overflow: hidden;
    white-space: nowrap;
}

.marquee-text {
    display: inline-block;
    padding-left: 100%;
    animation: marquee 15s linear infinite;
}

@keyframes marquee {
    from { transform: translateX(100%); }
    to { transform: translateX(-100%); }
}

/* Floating Particles */
.particle {
    position: absolute;
    width: 6px;
    height: 6px;
    background: rgba(255, 255, 255, 0.7);
    border-radius: 50%;
    animation: float 8s infinite;
}

@keyframes float {
```

```
        0% { transform: translateY(0); opacity: 1; }
        50% { opacity: 0.5; }
        100% { transform: translateY(-100vh); opacity: 0; }
    }

```

```
</style>
</head>
<body style="background-image: url('bg-login.jpeg');background-repeat: no-repeat;">

<div class="marquee">
    <span class="marquee-text">Welcome to the SSN Internship Details Portal !!</span>
</div>

<div class="login-container">
    <h2 class="title" style="color:black">Login</h2>
    <input class="input" id="email" placeholder="Username" name="Username" required>
    <input class="input" type="password" id="password" placeholder="Password" name="password" required>
    <button class="button is-primary" onclick="handleLogin()">Login</button>
    <p class="message" id="login-message"></p>
    <p><a href="signup.html">Create an account</a></p>
</div>

<script>
    function handleLogin() {
        let email = document.getElementById("email").value;
        let password = document.getElementById("password").value;

        if (!email || !password) {
            document.getElementById("login-message").textContent =
"Fill all fields.";
            return;
        }

        fetch("https://script.google.com/macros/s/AKfycbw7VULAd7-F5DM_acGco6hiRXHFaK4J0I1f0eOyvHwagTJE6PHLciqMe1v2s50P6Waz5w/exec", {

```

```

        method: "POST",
        body: new URLSearchParams({ action: "login", email: email,
password: password }),
        headers: { "Content-Type": "application/x-www-form-urlencoded" }
    })
    .then(response => response.json())
    .then(data => {
        document.getElementById("login-message").textContent =
data.message;
        if (data.status === "success") {
            if (data.role === "Coordinator") {
                window.location.href = "coordinator_dash.html";
            } else if (data.role === "Student") {
                window.location.href = "student_dash.html";
            }
        }
    })
    .catch(() =>
document.getElementById("login-message").textContent = "Error occurred.");
}
</script>

</body>
</html>

```

## Signup.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Signup</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
    <style>
        body {
            animation: gradientBG 10s ease infinite;
            height: 100vh;
            display: flex;

```

```
justify-content: center;
align-items: center;
flex-direction: column;
}

/* 🌈 Gradient Animation */
@keyframes gradientBG {
    0% { background-position: 0% 50%; }
    50% { background-position: 100% 50%; }
    100% { background-position: 0% 50%; }
}

/* 🔥 Marquee Header */
.marquee {
    width: 100%;
    overflow: hidden;
    white-space: nowrap;
    color: white;
    font-size: 1.2rem;
    font-weight: bold;
    position: absolute;
    top: 10px;
}

.marquee span {
    display: inline-block;
    padding-left: 100%;
    animation: marqueeScroll 10s linear infinite;
}

@keyframes marqueeScroll {
    from { transform: translateX(0); }
    to { transform: translateX(-100%); }
}

/* ✨ Glassmorphism Card */
.signup-container {
    background: rgba(255, 255, 255, 0.2);
    backdrop-filter: blur(10px);
    padding: 30px;
```

```
border-radius: 12px;
box-shadow: 0px 5px 15px rgba(0, 0, 0, 0.2);
width: 350px;
text-align: center;
color: white;
}

.title {
    font-size: 2rem;
    font-weight: bold;
    color: white;
}

/* 💡 Styled Inputs */
.input, .select select {
    border-radius: 8px;
    padding: 10px;
    border: 1px solid #ddd;
    width: 100%;
    transition: 0.3s;
    margin-bottom: 10px;
    font-size: 1rem;
}

.input:focus, .select select:focus {
    border-color: #ff7eb3;
    box-shadow: 0px 0px 10px rgba(255, 126, 179, 0.5);
}

/* 🚀 Styled Button */
.button {
    width: 100%;
    border-radius: 8px;
    padding: 12px;
    font-size: 1rem;
    font-weight: bold;
    background-color: #ff7eb3;
    color: white;
    border: none;
    cursor: pointer;
```

```
        transition: 0.3s ease-in-out;
    }

.button:hover {
    background-color: #fb4d87;
    transform: scale(1.05);
}

.button:active {
    transform: scale(0.95);
}

/* ✅ Message Text */
.message {
    color: #0e110a;
    margin-top: 10px;
    font-size: 0.9rem;
}

/* 🔗 Links */
a {
    color: #d609c1;
    text-decoration: none;
    font-weight: bold;
}

a:hover {
    text-decoration: underline;
}

</style>
</head>
<body style="background-image: url('bg-signup.jpeg'); background-repeat: no-repeat; background-size: 80%;>

<div class="signup-container">
    <h2 class="title">Sign Up</h2>
    <div class="field">
        <div class="control">
```

```
        <input class="input" id="email" placeholder="Username"
name="Username" required>
    </div>
</div>
<div class="field">
    <div class="control">
        <input class="input" type="password" id="password"
placeholder="Password" name="password" required>
    </div>
</div>
<div class="field">
    <div class="control">
        <div class="select is-fullwidth">
            <select id="role">
                <option value="Student">Student</option>
                <option value="Coordinator">Coordinator</option>
            </select>
        </div>
    </div>
</div>
<button class="button is-primary" onclick="handleSignup()">Sign
Up</button>
<p class="message" id="signup-message"></p>
<p>Already have an account? <a href="index.html">Login
here</a></p>
</div>

<script>
    function handleSignup() {
        let email = document.getElementById("email").value;
        let password = document.getElementById("password").value;
        let role = document.getElementById("role").value;

fetch("https://script.google.com/macros/s/AKfycbw7VULAd7-F5DM_acGco6hiRXHF
aK4J0I1f0eOyvHwagTJE6PHLciqMe1v2s50P6Waz5w/exec", {
            method: "POST",
            body: new URLSearchParams({ action: "signup", email:
email, password: password, role: role }),
```

```

        headers: { "Content-Type":  

"application/x-www-form-urlencoded" }  

    })  

    .then(response => response.json())  

    .then(data => {  

        document.getElementById("signup-message").textContent =  

data.message;  

    })  

    .catch(() =>  

document.getElementById("signup-message").textContent = "Error  

occurred.");  

}  

</script>  

</body>  

</html>

```

## **Student\_dash.html (Student Dashboard)**

```

<!DOCTYPE html>  

<html lang="en">  

<head>  

    <meta charset="UTF-8">  

    <meta name="viewport" content="width=device-width, initial-scale=1.0">  

    <title>Dashboard</title>  

    <link rel="stylesheet"  

href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">  

<style>  

    /* Background Styling */  

    body {  

        display: flex;  

        justify-content: center;  

        align-items: center;  

        height: 100vh;  

        background: url('student_dash.jpeg') no-repeat center  

center/cover;  

        position: relative;  

        overflow: hidden;  

    }

```

```
/* Glassmorphism Effect */
.dashboard-container {
    background: rgba(255, 255, 255, 0.15);
    backdrop-filter: blur(10px);
    padding: 25px;
    border-radius: 15px;
    box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
    width: 350px;
    text-align: center;
    border: 1px solid rgba(255, 255, 255, 0.2);
}

.title {
    font-size: 24px;
    font-weight: bold;
    color: black;
    margin-bottom: 15px;
}

.button {
    width: 100%;
    background: linear-gradient(135deg, #3273dc, #0a58ca);
    color: white;
    border-radius: 8px;
    padding: 10px;
    border: none;
    cursor: pointer;
    font-weight: bold;
    transition: 0.3s;
    margin-bottom: 10px;
}

.button:hover {
    background: linear-gradient(135deg, #0a58ca, #3273dc);
    transform: scale(1.05);
}

.marquee {
    position: absolute;
    top: 20px;
```

```
        width: 100%;  
        font-size: 18px;  
        font-weight: bold;  
        color: white;  
        background: rgba(0, 0, 0, 0.5);  
        padding: 5px 0;  
        overflow: hidden;  
        white-space: nowrap;  
    }  
  
.marquee-text {  
    display: inline-block;  
    padding-left: 100%;  
    animation: marquee 15s linear infinite;  
}  
  
@keyframes marquee {  
    from { transform: translateX(100%); }  
    to { transform: translateX(-100%); }  
}  
</style>  
</head>  
<body>  
  
<div class="marquee">  
    <span class="marquee-text">Welcome to the SSN Internship Details  
Portal !!</span>  
</div>  
  
<div class="dashboard-container">  
    <h2 class="title">Dashboard</h2>  
  
    <button class="button"  
    onclick="window.location.href='website.html'">Sign Up a Form</button>  
  
    <button class="button"  
    onclick="window.location.href='edit-details.html'">Edit Details</button>
```

```

        <button class="button"
onclick="window.location.href='view_student.html'">View Entered
Information</button>

        <button class="button"
onclick="window.location.href='UploadFile.html'">Upload Documents</button>
    </div>

</body>
</html>

```

## **Student Information entry website - website.html**

```

<!DOCTYPE html>
<html>
    <head>
        <link
            rel="stylesheet"
            href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css"
        />
    </head>
    <style>

    </style>

<body>
    <section class="hero is-primary is-bold" style="background:
url('form.jpg') no-repeat center center; background-size: cover;">
        <div class="hero-body" style="text-align: center;">
            <div class="container">
                <h1 class="title has-text-black has-text-weight-bold"
style="text-shadow: 2px 2px 5px white;">Student Internship Details</h1>
            </div>
        </div>
    </section>
    <form id="form" class="container m-4 pl-4" method="POST">
        <div class="field">
            <label class="label">Name</label>
            <div class="control">

```

```
<input
  class="input"
  type="text"
  placeholder="Student Name"
  name="Name"
  required
/>
</div>
</div>

<!-- <div class="field">
  <label class="label">Last Name</label>
  <div class="control">
    <input
      class="input"
      type="text"
      placeholder="Your Last Name"
      name="Last Name"
    />
  </div>
</div> -->

<div class="field">
  <label class="label">Email</label>
  <div class="control">
    <input
      class="input"
      type="email"
      placeholder="Your Email"
      name="Email"
      required
    />
  </div>
</div>

<div class="field">
  <label class="label">Password</label>
  <div class="control">
    <input
      class="input"
      type="password"
      name="Password"
      required
    />
  </div>
</div>
```

```
        type="password"
        placeholder="Your Password"
        name="Password"
        required
    />
</div>
</div>

<div class="field">
    <label class="label">Date of Birth</label>
    <div class="control">
        <input
            class="input"
            type="date"
            placeholder="Your Date of Birth"
            name="DOB"
        />
    </div>
</div>

<div class="field">
    <label class="label">Batch</label>
    <div class="control">
        <div class="select">
            <select name="Batch">
                <option value="" disabled selected>Select</option>
                <option value="2021-2025">2021-2025</option>
                <option value="2022-2026">2022-2026</option>
                <option value="2023-2027">2023-2027</option>
                <option value="2024-2028">2024-2028</option>
            </select>
        </div>
    </div>
</div>

<div class="field">
    <label class="label">Academic Year</label>
    <div class="control">
        <div class="select">
            <select name="Academic Year">
```

```
<option value="" disabled selected>Select</option>
<option value="2021">2021</option>
<option value="2022">2022</option>
<option value="2023">2023</option>
<option value="2024">2024</option>
<option value="2025">2025</option>
<option value="2026">2026</option>
<option value="2027">2027</option>
<option value="2028">2028</option>
</select>
</div>
</div>
</div>

<div class="field">
    <label class="label">Semester</label>
    <div class="control">
        <div class="select">
            <select name="Semester">
                <option value="" disabled selected>Select</option>
                <option value="Sem 1">Sem 1</option>
                <option value="Sem 2">Sem 2</option>
                <option value="Sem 3">Sem 3</option>
                <option value="Sem 4">Sem 4</option>
                <option value="Sem 5">Sem 5</option>
                <option value="Sem 6">Sem 6</option>
                <option value="Sem 7">Sem 7</option>
                <option value="Sem 8">Sem 8</option>
            </select>
        </div>
    </div>
</div>

<div class="field">
    <label class="label">Gender</label>
    <div class="control">
        <label class="radio">
            <input type="radio" name="Gender" value="male" /> Male
        </label>
        <label class="radio">
```

```
        <input type="radio" name="Gender" value="female" /> Female
    </label>
</div>
</div>

<div class="field">
    <label class="label">Additional Information</label>
    <div class="control">
        <textarea
            class="textarea"
            placeholder="Any additional information"
            name="Notes"
        ></textarea>
    </div>
</div>

<div class="field">
    <label class="label">Register Number</label>
    <div class="control">
        <input class="input" type="text" placeholder="Your Register
Number" name="Register Number" required />
    </div>
</div>

<div class="field">
    <label class="label">Mobile Number</label>
    <div class="control">
        <input class="input" type="tel" placeholder="Your Mobile Number"
name="Mobile Number" required />
    </div>
</div>

<div class="field">
    <label class="label">Section</label>
    <div class="control">
```

```
        <input class="input" type="text" placeholder="Your Section"
name="Section" required />
    </div>
</div>

<div class="field">
    <label class="label">Obtained Internship</label>
    <div class="control">
        <div class="select">
            <select name="Obtained Internship">
                <option value="" disabled selected>Select</option>
                <option value="Yes">Yes</option>
                <option value="No">No</option>
            </select>
        </div>
    </div>
</div>

<div class="field">
    <label class="label">Company Name</label>
    <div class="control">
        <input
            class="input"
            placeholder="Ex: Amazon"
            name="Company"
        ></input>
    </div>
</div>

<div class="field">
    <label class="label">Period</label>
    <div class="control">
        <input class="input" type="text" placeholder="Ex: 3 Months"
name="Period" />
    </div>
</div>

<div class="field">
    <label class="label">Title</label>
    <div class="control">
```

```
        <input class="input" type="text" placeholder="Internship Title"
name="Title" />
    </div>
</div>

<div class="field">
    <label class="label">Start Date</label>
    <div class="control">
        <input class="input" type="date" name="Start Date" />
    </div>
</div>

<div class="field">
    <label class="label">End Date</label>
    <div class="control">
        <input class="input" type="date" name="End Date" />
    </div>
</div>

<div class="field">
    <label class="label">Placement Source</label>
    <div class="control">
        <div class="select">
            <select name="Placement Source">
                <option value="" disabled selected>Select</option>
                <option value="On-Campus">On-Campus</option>
                <option value="Off-Campus">Off-Campus</option>
                <option value="Referral">Referral</option>
                <option value="Other">Other</option>
            </select>
        </div>
    </div>
</div>

<div class="field">
    <label class="label">Stipend</label>
    <div class="control">
        <input class="input" type="text" placeholder="Ex: 10,000 INR"
name="Stipend" />
    </div>
```

```
</div>

<div class="field">
    <label class="label">Internship Type</label>
    <div class="control">
        <input class="input" type="text" placeholder="Ex: Research"
name="Internship Type" />
    </div>
</div>

<div class="field">
    <label class="label">Abroad or India</label>
    <div class="control">
        <div class="select">
            <select name="Location">
                <option value="" disabled selected>Select</option>
                <option value="India">India</option>
                <option value="Abroad">Abroad</option>
            </select>
        </div>
    </div>
</div>

<div class="field">
    <label class="label">Agree to Terms</label>
    <div class="control">
        <label class="checkbox">
            <input type="checkbox" name="Agree To Terms" value="yes"
required/> I agree
            to the terms and conditions
        </label>
    </div>
</div>
<h2 style="font-weight: bold; font-size: 20px; color: rgb(237, 35,
31)">Documents to be submitted</h2>
<div class="field">
    <div class="control">
        <label class="checkbox">
```

```
        <input type="checkbox" name=" Signed permission and offer  
letter" value="yes" /><b> Signed permission letter,offer letter  
submitted</b>  
    </label>  
  </div>  
</div>  
  
<div class="field">  
  <div class="control">  
    <label class="checkbox">  
      <input type="checkbox" name="Completion Certifcate"  
value="yes" /><b>Completion Certifcate submitted</b>  
    </label>  
  </div>  
</div>  
  
<div class="field">  
  <div class="control">  
    <label class="checkbox">  
      <input type="checkbox" name="Internship report" value="yes"  
/><b>Internship report submitted</b>  
    </label>  
  </div>  
</div>  
  
<div class="field">  
  <div class="control">  
    <label class="checkbox">  
      <input type="checkbox" name="Student Feedback" value="yes"  
/><b>Student Feedback submitted</b>  
    </label>  
  </div>  
</div>  
<div class="field">  
  <div class="control">  
    <label class="checkbox">  
      <input type="checkbox" name="Employer Feedback" value="yes"  
/><b>Employer Feedback submitted</b>  
    </label>  
</div>
```

```
</div>

<div class="field is-grouped">
    <div class="control">
        <button class="button is-primary" type="submit"
id="submit-button">
            Sign Up
        </button>
    </div>
    <div class="control">
        <button class="button is-danger">Cancel</button>
    </div>
</div>
</form>
<div
    id="message"
    style="
        display: none;
        margin: 20px;
        font-weight: bold;
        color: green;
        padding: 8px;
        background-color: beige;
        border-radius: 4px;
        border-color: aquamarine;
    "
></div>

<script>
    document.getElementById("form").addEventListener("submit", function
(e) {
    e.preventDefault(); // Prevent default form submission

    // Validation function
    function validateForm() {
        const name =
document.querySelector("input[name='Name']").value.trim();
        const email =
document.querySelector("input[name='Email']").value.trim();

```

```
const password =
document.querySelector("input[name='Password']").value.trim();
const dob =
document.querySelector("input[name='DOB']").value.trim();
const registerNumber =
document.querySelector("input[name='Register Number']").value.trim();
const mobile = document.querySelector("input[name='Mobile Number']").value.trim();
const section =
document.querySelector("input[name='Section']").value.trim();
const batch =
document.querySelector("select[name='Batch']").value;
const academicYear =
document.querySelector("select[name='Academic Year']").value;
const semester =
document.querySelector("select[name='Semester']").value;
const gender =
document.querySelector("input[name='Gender']:checked");
const agree = document.querySelector("input[name='Agree To Terms']").checked;

const emailRegex = /^[^@\s]+@[^\s]+\.\[^@\s]+$/;
const mobileRegex = /^\d{10}$/;
const regRegex = /^\d{13}$/;

if (!name || !email || !password || !dob || !registerNumber || !mobile || !section) {
    alert("Please fill in all required fields.");
    return false;
}

if (!emailRegex.test(email)) {
    alert("Please enter a valid email address.");
    return false;
}

if (!mobileRegex.test(mobile)) {
    alert("Mobile number must be 10 digits.");
    return false;
}
```

```
if (!regRegex.test(registerNumber)) {
    alert("Enter correct form of Register Number.");
    return false;
}

if (!batch || !academicYear || !semester) {
    alert("Please select batch, academic year, and semester.");
    return false;
}

if (!gender) {
    alert("Please select a gender.");
    return false;
}

if (!agree) {
    alert("You must agree to the terms and conditions.");
    return false;
}

return true;
}

if (!validateForm()) {
    return; // Stop submission if validation fails
}

// Continue with submission
document.getElementById("message").textContent = "Submitting..";
document.getElementById("message").style.display = "block";
document.getElementById("submit-button").disabled = true;

var formData = new FormData(this);
var keyValuePairs = [];
for (var pair of formData.entries()) {
    keyValuePairs.push(pair[0] + "=" + pair[1]);
}

var formDataString = keyValuePairs.join("&");
```

```
fetch("https://script.google.com/macros/s/AKfycbwjbnSzMEIZDPFB2Z3fQLVytD2MjWhor_NXvxzzSgVdSN2RAAM7VifGixJ8t4L0Kodq/exec", {
    redirect: "follow",
    method: "POST",
    body: formDataString,
    headers: {
        "Content-Type": "text/plain; charset=utf-8",
    },
})
.then(function (response) {
    if (response) {
        return response;
    } else {
        throw new Error("Failed to submit the form.");
    }
})
.then(function (data) {
    document.getElementById("message").textContent = "Data submitted successfully!";
    document.getElementById("message").style.display = "block";
    document.getElementById("message").style.backgroundColor =
"green";
    document.getElementById("message").style.color = "beige";
    document.getElementById("submit-button").disabled = false;
    document.getElementById("form").reset();

    setTimeout(function () {
        document.getElementById("message").textContent = "";
        document.getElementById("message").style.display = "none";
    }, 2600);

    window.location.href = "student_dash.html";
})
.catch(function (error) {
    console.error(error);
    document.getElementById("message").textContent = "An error occurred while submitting the form.";
    document.getElementById("message").style.display = "block";
```

```
    });
})
</script>
</body>
</html>
```

## Student details viewing information - view\_website.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Student Internship Details</title>
    <script type="text/javascript"
src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
    <script type="text/javascript"
src="https://cdn.datatables.net/1.11.5/js/jquery.dataTables.min.js"><script>

<style>
/* Background Styling */
body {
    align-items: center;
    justify-content: center;
    font-family: 'Poppins', sans-serif;
    background-size: cover;
    text-align: center;
    padding: 20px;
    margin: 0;
}

h1 {
    font-size: 2.5rem;
    font-weight: bold;
    color: rgb(239, 233, 233);
    text-shadow: 2px 2px 10px rgba(0, 0, 0, 0.3);
    margin-bottom: 20px;
    background-image: url(upload.jpg);
    padding: 10px 20px;
    border-radius: 10px;
    display: inline-block;
}
```

```
/* Search Container Styling */
#searchContainer {
    background: linear-gradient(to right, #dbeafe, #edc9fe);
    background-image: url(upload.jpg);
    backdrop-filter: blur(10px);
    padding: 20px;
    border-radius: 15px;
    width: 50%;
    margin: 0 auto 20px;
    box-shadow: 0 4px 10px rgba(29, 30, 24, 0.2);
}

input[type="text"] {
    padding: 12px;
    width: 250px;
    border-radius: 8px;
    border: solid 1px;
    outline: none;
    background: rgba(255, 255, 255, 0.7);
    backdrop-filter: blur(5px);
    color: #141212;
    font-size: 16px;
}

button {
    padding: 12px 20px;
    background: rgba(50, 115, 220, 0.8);
    color: white;
    border: none;
    border-radius: 8px;
    cursor: pointer;
    margin-left: 10px;
    font-size: 16px;
    transition: all 0.3s ease;
}

button:hover {
    background: rgba(39, 91, 168, 0.9);
```

```
        transform: scale(1.05);
    }

/* Table Styling */
#tableContainer {
    display: none;
    margin-top: 20px;
}

table {
    width: 90%;
    margin: 0 auto;
    border-collapse: collapse;
    background: rgba(255, 255, 255, 0.15);
    backdrop-filter: blur(15px);
    border-radius: 15px;
    overflow: hidden;
    box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);
}

th, td {
    padding: 12px;
    text-align: center;
    color: rgb(15, 7, 7);
    font-weight: bold;
}

th {
    background: rgba(109, 149, 214, 0.8);
    color: white
}

tbody tr:nth-child(even) {
    background: rgba(255, 255, 255, 0.1);
}

tbody tr:hover {
    background: rgba(255, 255, 255, 0.3);
}

</style>
```

```
</head>
<body style="background-color:rgb(242, 209, 212);">

    <h1>Student Internship Details</h1>

    <div id="searchContainer">
        <input type="text" id="searchInput" placeholder="Enter Student Name/Registration Number">
        <button id="searchButton">Enter</button>
    </div>

    <div id="tableContainer">
        <table id="example" class="display">
            <thead>
                <tr>
                    <th>Student Name</th>
                    <th>Email</th>
                    <th>DOB</th>
                    <th>Gender</th>
                    <th>Batch</th>
                    <th>Academic Year</th>
                    <th>Section</th>
                    <th>Semester</th>
                    <th>Register Number</th>
                    <th>Mobile Number</th>
                    <th>Obtained Internship</th>
                    <th>Company</th>
                    <th>Title</th>
                    <th>Period</th>
                    <th>Start Date</th>
                    <th>End Date</th>
                    <th>Placement Source</th>
                    <th>Stipend</th>
                    <th>Internship Type</th>
                    <th>Location</th>
                </tr>
            </thead>
        </table>
    </div>
```

```
<script>
$(document).ready(function() {
    var table = $('#example').DataTable({
        ajax:
'https://script.google.com/macros/s/AKfycbyjMHghhYcNKjqeUdHR0aYerhpiDOFTA0
JXPbYST4Tb3A0-uK2DdlNtnAmvmwb7zLx0/exec',
        columns: [
            { data: 'Name' },
            { data: 'Email' },
            { data: 'DOB' },
            { data: 'Gender' },
            { data: 'Batch' },
            { data: 'Academic Year' },
            { data: 'Section' },
            { data: 'Semester' },
            { data: 'Register Number' },
            { data: 'Mobile Number' },
            { data: 'Obtained Internship' },
            { data: 'Company' },
            { data: 'Title' },
            { data: 'Period' },
            { data: 'Start Date' },
            { data: 'End Date' },
            { data: 'Placement Source' },
            { data: 'Stipend' },
            { data: 'Internship Type' },
            { data: 'Location' }
        ],
        paging: true,
        searching: true,
        ordering: true,
        info: true,
        lengthChange: false
    });
}

$('#searchButton').click(function() {
    var searchTerm = $('#searchInput').val().trim();
    if (searchTerm !== "") {
        $('#tableContainer').show();
        table.search(searchTerm).draw();
    }
});
```

```

        }
    });
})
};

</script>
<script>

    const gradients = [
        "linear-gradient(to right, #FAFFFA, #F5FDF9)", // Very Light Mint
        Green to Soft White
        "linear-gradient(to right, #F7FCF6, #F2FBF5)", // Light Pastel Green to
        Gentle White
        "linear-gradient(to right, #F9FEF9, #F3FCFA)", // Pale Green to Faint Aqua
        Mist
        "linear-gradient(to right, #FBFFF6, #F5FDF6)", // Honeydew Tint to
        Whispering Celadon
        "linear-gradient(to right, #F9FFF4, #F4FDF7)" // Soft Green Glow to Muted
        Light Cyan
    ];

    function changeBackground() {
        let randomIndex = Math.floor(Math.random() *
gradients.length);
        document.body.style.background = gradients[randomIndex];
    }

    // Change background every 10 seconds
    setInterval(changeBackground, 3000);

    // Initial background setup
    changeBackground();
</script>
</body>
</html>

```

## **Student document Uploading into Google Drive - UploadFile.html**

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">

```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>File Upload Portal</title>
<link rel="stylesheet"
      href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
<style>
    body {
        background-image:url(upload.jpg);
        background-repeat: no-repeat;
        background-size: cover;
        background-position: center;
        display: flex;
        justify-content: center;
        align-items: center;
        height: 100vh;
        background-color: #f8f9fa;
        color:white;
    }
    .label {
        color: white; /* Makes all labels white */
    }
    .container {
        background: rgba(255, 255, 255, 0.1); /* Semi-transparent white */
        backdrop-filter: blur(10px); /* Blur effect */
        -webkit-backdrop-filter: blur(10px); /* For Safari support */
        padding: 30px;
        border-radius: 12px;
        box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
        border: 1px solid rgba(255, 255, 255, 0.2); /* Subtle border */
        width: 50px;
    }
    h1 {
        color:white;
        text-align: center;
        margin-bottom: 20px;
        font-size: 25px;
        font-weight: bold;
        text-shadow: white;
    }
</style>
```

```

<script>
    function handleFileUpload(input, index) {
        var file = input.files[0];
        if (!file) return; // If no file is selected, do nothing

        var reader = new FileReader();
        reader.onload = function(e) {
            var fileData = e.target.result.split(",") [1]; // Extract
base64 content
            var mimeType =
e.target.result.split(":") [1].split ";" [0]; // Extract MIME type
            var fileObject = {
                fileName: file.name,
                fileData: fileData,
                mimeType: mimeType
            };

            // Store file data in hidden input
            var filedataArray =
JSON.parse(document.getElementById("fileData").value || "[]");
            filedataArray[index] = fileObject;
            document.getElementById("fileData").value =
JSON.stringify(filedataArray);
        };
        reader.readAsDataURL(file);
    }
</script>
</head>
<body>
    <div class="container">
        <h1>Upload Your Documents</h1>

        <form method="post"
action="https://script.google.com/macros/s/AKfycbzgHjchxi5E1Z6XAlWnX9tUrNm
0dAg0yLpi8G3f8doV/dev">
            <div class="field">
                <label class="label">Username</label>
                <div class="control">
                    <input class="input" type="text" name="username"
placeholder="Enter your username" required>

```

```
</div>
</div>

<div class="field">
    <label class="label">Signed Permission Letter</label>
    <div class="control">
        <input class="input" type="file"
name="signed_permission" onchange="handleFileUpload(this, 0)">
    </div>
</div>

<div class="field">
    <label class="label">Offer Letter</label>
    <div class="control">
        <input class="input" type="file" name="offer_letter"
onchange="handleFileUpload(this, 1)">
    </div>
</div>

<div class="field">
    <label class="label">Completion Certificate</label>
    <div class="control">
        <input class="input" type="file"
name="completion_certificate" onchange="handleFileUpload(this, 2)">
    </div>
</div>

<div class="field">
    <label class="label">Internship Report</label>
    <div class="control">
        <input class="input" type="file"
name="internship_report" onchange="handleFileUpload(this, 3)">
    </div>
</div>

<div class="field">
    <label class="label">Student Feedback</label>
    <div class="control">
        <input class="input" type="file" name="feedback"
onchange="handleFileUpload(this, 4)">
```

```

        </div>
    </div>

    <div class="field">
        <label class="label">Employer Feedback</label>
        <div class="control">
            <input class="input" type="file" name="feedback"
onchange="handleFileUpload(this, 4)">
        </div>
    </div>

    <input type="hidden" id="fileData" name="fileData">

    <div class="field">
        <div class="control">
            <button class="button is-primary
is-fullwidth">Submit</button>
        </div>
    </div>
</form>
</div>
</body>
</html>

```

## **Coordinator\_dash.html(Coordinator Dashboard)**

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Coordinator Dashboard</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
    <style>
        /* Background Styling */
        body {
            display: flex;
            justify-content: center;
            align-items: center;

```

```
height: 100vh;
background: url('coord_dash.jpg') no-repeat center
center/cover;
position: relative;
overflow: hidden;
}

/* Glassmorphism Effect */
.dashboard-container {
background: rgba(255, 255, 255, 0.15);
backdrop-filter: blur(10px);
padding: 25px;
border-radius: 15px;
box-shadow: 0 4px 30px rgba(0, 0, 0, 0.1);
width: 350px;
text-align: center;
border: 1px solid rgba(255, 255, 255, 0.2);
}

.title {
font-size: 24px;
font-weight: bold;
color: black;
margin-bottom: 15px;
}

.button {
width: 100%;
background: linear-gradient(135deg, #3273dc, #0a58ca);
color: white;
border-radius: 8px;
padding: 10px;
border: none;
cursor: pointer;
font-weight: bold;
transition: 0.3s;
margin-bottom: 10px;
}

.button:hover {
```

```
        background: linear-gradient(135deg, #0a58ca, #3273dc);
        transform: scale(1.05);
    }

/* Marquee Animation */
.marquee {
    position: absolute;
    top: 20px;
    width: 100%;
    font-size: 18px;
    font-weight: bold;
    color: white;
    background: rgba(0, 0, 0, 0.5);
    padding: 5px 0;
    overflow: hidden;
    white-space: nowrap;
}

.marquee-text {
    display: inline-block;
    padding-left: 100%;
    animation: marquee 15s linear infinite;
}

@keyframes marquee {
    from { transform: translateX(100%); }
    to { transform: translateX(-100%); }
}

</style>
</head>
<body>

    <div class="marquee">
        <span class="marquee-text">Welcome to the SSN Internship Details
        Portal !!</span>
    </div>

    <div class="dashboard-container">
        <h2 class="title">Coordinator Dashboard</h2>
```

```

        <button class="button"
onclick="window.location.href='table.html'">View Entered
Information</button>
        <button class="button"
onclick="window.location.href='docs_coordinator.html'">View Uploaded
Documents</button>
        <button class="button"
onclick="window.location.href='coord_edit.html'">Edit Documents</button>
    </div>
</body>
</html>
```

## **Viewing Student information - with various filters and keyword searching - table.html**

```

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>File Upload Portal</title>
    <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bulma@0.9.4/css/bulma.min.css">
    <style>
        body {
            background-image:url(upload.jpg);
            background-repeat: no-repeat;
            background-size: cover;
            background-position: center;
            display: flex;
            justify-content: center;
            align-items: center;
            height: 100vh;
            background-color: #f8f9fa;
            color:white;
        }
        .label {
            color: white; /* Makes all labels white */
        }
        .container {
```

```
background: rgba(255, 255, 255, 0.1); /* Semi-transparent white */
backdrop-filter: blur(10px); /* Blur effect */
-webkit-backdrop-filter: blur(10px); /* For Safari support */
padding: 30px;
border-radius: 12px;
box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
border: 1px solid rgba(255, 255, 255, 0.2); /* Subtle border */
width: 50px;
}

h1 {
    color:white;
    text-align: center;
    margin-bottom: 20px;
    font-size: 25px;
    font-weight: bold;
    text-shadow: white;
}
</style>
<script>
    function handleFileUpload(input, index) {
        var file = input.files[0];
        if (!file) return; // If no file is selected, do nothing

        var reader = new FileReader();
        reader.onload = function(e) {
            var fileData = e.target.result.split(",")[1]; // Extract
base64 content
            var mimeType =
e.target.result.split(":")[1].split(";")[0]; // Extract MIME type
            var fileObject = {
                fileName: file.name,
                fileData: fileData,
                mimeType: mimeType
            };

            // Store file data in hidden input
            var filedataArray =
JSON.parse(document.getElementById("fileData").value || "[]");
            filedataArray[index] = fileObject;
        }
    }
</script>
```

```
        document.getElementById("fileData").value =
JSON.stringify(filedataArray);
    };
    reader.readAsDataURL(file);
}
</script>
</head>
<body>
<div class="container">
    <h1>Upload Your Documents</h1>

    <form method="post"
action="https://script.google.com/macros/s/AKfycbzgHjchxi5E1Z6XAlWnX9tUrNm
0dAg0yLpI8G3f8doV/dev">
        <div class="field">
            <label class="label">Username</label>
            <div class="control">
                <input class="input" type="text" name="username"
placeholder="Enter your username" required>
            </div>
        </div>

        <div class="field">
            <label class="label">Signed Permission Letter</label>
            <div class="control">
                <input class="input" type="file"
name="signed_permission" onchange="handleFileUpload(this, 0)">
            </div>
        </div>

        <div class="field">
            <label class="label">Offer Letter</label>
            <div class="control">
                <input class="input" type="file" name="offer_letter"
onchange="handleFileUpload(this, 1)">
            </div>
        </div>

        <div class="field">
            <label class="label">Completion Certificate</label>
```

```
<div class="control">
    <input class="input" type="file"
name="completion_certificate" onchange="handleFileUpload(this, 2)">
</div>
</div>

<div class="field">
    <label class="label">Internship Report</label>
    <div class="control">
        <input class="input" type="file"
name="internship_report" onchange="handleFileUpload(this, 3)">
    </div>
</div>

<div class="field">
    <label class="label">Student Feedback</label>
    <div class="control">
        <input class="input" type="file" name="feedback"
onchange="handleFileUpload(this, 4)">
    </div>
</div>

<div class="field">
    <label class="label">Employer Feedback</label>
    <div class="control">
        <input class="input" type="file" name="feedback"
onchange="handleFileUpload(this, 4)">
    </div>
</div>

<input type="hidden" id="fileData" name="fileData">

<div class="field">
    <div class="control">
        <button class="button is-primary
is-fullwidth">Submit</button>
    </div>
</div>
</form>
</div>
```

```
</body>
</html>
```

## Viewing the Uploaded documents from the Student side - docs\_coordinator.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Uploaded Documents</title>
    <script type="text/javascript"
src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
    <style>
        body {
            font-family: 'Poppins', sans-serif;
            text-align: center;
            padding: 0;
            margin: 0;
            background: url('form.jpg') no-repeat center center/cover;
            height: 100vh;
            display: flex;
            flex-direction: column;
            align-items: center;
            justify-content: center;
            position: relative;
        }

        body::before {
            content: "";
            position: absolute;
            top: 0;
            left: 0;
            width: 100%;
            height: 100%;
            background: rgba(255, 255, 255, 0.2);
            backdrop-filter: blur(10px);
            z-index: -1;
        }
    </style>

```



```
width: 30%;  
}  
  
button:hover {  
background: rgba(226, 224, 224, 0.5);  
transform: scale(1.05);  
}  
  
table {  
width: 80%;  
margin-top: 20px;  
border-collapse: collapse;  
box-shadow: 0px 4px 8px rgba(0, 0, 0, 0.1);  
backdrop-filter: blur(12px);  
background: rgba(255, 255, 255, 0.3);  
border-radius: 12px;  
overflow: hidden;  
}  
  
th, td {  
padding: 12px;  
border: 1px solid rgba(255, 255, 255, 0.2);  
text-align: left;  
}  
  
th {  
background: rgba(50, 115, 220, 0.6);  
color: white;  
}  
  
a {  
color: #3273dc;  
text-decoration: none;  
font-weight: bold;  
}  
  
a:hover {  
text-decoration: underline;  
}
```

```
</style>
</head>
<body>
    <h1>Uploaded Documents</h1>
    <input type="text" id="searchUser" placeholder="Enter Username">
    <button onclick="fetchDocuments()">Search</button>

    <br><br>
    <table id="documentTable" style="display: none;">
        <thead>
            <tr>
                <th>Username</th>
                <th>Filename</th>
                <th>Folder Link</th>
                <th>Timestamp</th>
            </tr>
        </thead>
        <tbody id="documentBody"></tbody>
    </table>

    <script>
        function fetchDocuments() {
            var username = $("#searchUser").val().trim();
            if (username === "") {
                alert("Please enter a username to search.");
                return;
            }

$.getJSON('https://script.google.com/macros/s/AKfycbwt-QtJ-z7Ud_Ay8IsclmcBqor0_ghJU_fURYgWx9PRAIl1qZUm03OfJPQUHUSz9nwIgw/exec', function(data) {
                $("#documentTable").show();
                var filteredData = data.filter(doc => doc.username.toLowerCase() === username.toLowerCase());

                var tableBody = $("#documentBody");
                tableBody.empty();

                if (filteredData.length === 0) {
```

```

        tableBody.append("<tr><td colspan='4'>No records
found.</td></tr>") ;
    } else {
        filteredData.forEach(function(doc) {
            tableBody.append(
                `<tr>
                    <td>${doc.username}</td>
                    <td>${doc.filename}</td>
                    <td><a href="${doc.folderUrl}" target="_blank">Open
Folder</a></td>
                    <td>${doc.timestamp}</td>
                </tr>` );
        ) ;
    ) ;
}
</script>
</body>
</html>

```

**EXCEL Sheets files attached and Drive links used ( the excel sheets contain the appscript code in the extensions segment )**

Login details -

<https://docs.google.com/spreadsheets/d/1upnTcRogs1Qe-Ejc3ZVensGhIBiMXCSOw3cQdNbtRW8/edit?usp=sharing>

Document uploaded information -

<https://docs.google.com/spreadsheets/d/18MBmPYCkJsyqHZI415e2ZLH9a49hi7QN19WPFPdInv8/edit?usp=sharing>

Student Internship information -

[https://docs.google.com/spreadsheets/d/13MmKsmHmE2xymSD\\_zYAGwHNqFPGgRElqfy4uwkkEubQ/edit?usp=sharing](https://docs.google.com/spreadsheets/d/13MmKsmHmE2xymSD_zYAGwHNqFPGgRElqfy4uwkkEubQ/edit?usp=sharing)

## AppScript Code associated :

### Login and SignUp pages along with validation

```
const SHEET_NAME = "Users"; // Sheet for storing user credentials
var sheet = SpreadsheetApp.getActiveSpreadsheet().getSheetByName(SHEET_NAME);

function doPost(request) {
  const { postData: { contents } = {} } = request;
  var data = parseFormData(contents);

  if (!data || !data.action) {
    return ContentService.createTextOutput(JSON.stringify({ status: "error",
message: "Invalid request" }))
      .setMimeType(ContentService.MimeType.JSON);
  }

  if (data.action === "signup") {
    return ContentService.createTextOutput(JSON.stringify(registerUser(data)))
      .setMimeType(ContentService.MimeType.JSON);
  }

  if (data.action === "login") {
    return
ContentService.createTextOutput(JSON.stringify(checkLogin(data.email,
data.password)))
      .setMimeType(ContentService.MimeType.JSON);
  }

  if (data.action === "getEmails") { // New case for fetching emails
    return ContentService.createTextOutput(JSON.stringify(getAllEmails()))
      .setMimeType(ContentService.MimeType.JSON);
  }

  return ContentService.createTextOutput(JSON.stringify({ status: "error",
message: "Unknown action" }))
    .setMimeType(ContentService.MimeType.JSON);
```

```
}

// Function to parse form data correctly
function parseFormData(postData) {
    var data = {};
    var parameters = postData.split('&');
    for (var i = 0; i < parameters.length; i++) {
        var keyValue = parameters[i].split('=');
        var key = decodeURIComponent(keyValue[0]);
        var value = decodeURIComponent(keyValue[1].replace(/\+/g, ' ')); // Fix
spaces encoding
        data[key] = value;
    }
    return data;
}

// Function to register new users
function registerUser(data) {
    var email = data.email;
    var password = data.password;
    var role = data.role;

    sheet.appendRow([email, password, role, new Date()]);
    return { status: "success", message: "User registered successfully!" };
}

// Function to check login credentials
function checkLogin(email, password) {
    var data = sheet.getDataRange().getValues();

    for (var i = 1; i < data.length; i++) {
        if (data[i][0] === email && data[i][1] === password) {
            return { status: "success", message: "Login successful!", role:
data[i][2] };
        }
    }
}
```

```

    return { status: "error", message: "Invalid email or password." };
}

// Function to get all registered emails from the Google Sheet
function getAllEmails() {
  var data = sheet.getDataRange().getValues();
  var emails = [];

  for (var i = 1; i < data.length; i++) { // Skip the header row
    emails.push(data[i][0]); // Assuming emails are in column A
  }

  return { status: "success", emails: emails };
}

```

## Student form entry , editing details , coordinator viewing details ( with filter and search options ) - along with entry validation ( alerts included )

```

const DATA_ENTRY_SHEET_NAME = "Sheet1";
const TIME_STAMP_COLUMN_NAME = "Timestamp";
var sheet =
SpreadsheetApp.getActiveSpreadsheet().getSheetByName(DATA_ENTRY_SHEET_NAME);
const doPost = (request = {}) => {
  const { postData: { contents, type } = {} } = request;
  var data = parseFormData(contents);
  appendToGoogleSheet(data);
  return
ContentService.createTextOutput(contents).setMimeType(ContentService.MimeType.JSON);
};

function parseFormData(postData) {
  var data = [];
  var parameters = postData.split('&');
  for (var i = 0; i < parameters.length; i++) {
    var keyValue = parameters[i].split('=');

```

```

    data[keyValue[0]] = decodeURIComponent(keyValue[1]);
}
return data;
}

function appendToGoogleSheet(data) {
if(TIME_STAMP_COLUMN_NAME !== "") {
    data[TIME_STAMP_COLUMN_NAME]=new Date();
}
var headers = sheet.getRange(1, 1, 1, sheet.getLastColumn()).getValues()[0];
var rowData = headers.map(headerFld => data[headerFld]);
sheet.appendRow(rowData);
}

function doGet() {
var sheet = SpreadsheetApp.getActiveSpreadsheet().getSheetByName("Sheet1");
var data = sheet.getDataRange().getValues();
var jsonData = {};

// Assume first row is headers
var headers = data[0];
jsonData['data'] = [];

// Start from row 1 to skip headers
for(var i = 1; i < data.length; i++) {
    var row = {};
    for(var j = 0; j < headers.length; j++) {
        row[headers[j]] = data[i][j];
    }
    jsonData['data'].push(row);
}

return ContentService.createTextOutput(JSON.stringify(jsonData))
.setMimeType(ContentService.MimeType.JSON);
}

```

**Document Upload with OCR & Organized Storage: Students can upload documents which are automatically scanned using OCR for keyword detection. A separate Drive folder is created per student, and coordinators can fetch and view the uploaded, renamed documents based on the student's name.**

```
function doPost(e) {
  Logger.log(JSON.stringify(e));

  var parentFolderId = '1DXv5wfHnYhahmkYZ3GtIaDVPL4gIhL1'; // Parent folder ID
  var parentFolder = DriveApp.getFolderById(parentFolderId);

  var username = e.parameter.username;
  var filesArray = e.parameter.fileData ? JSON.parse(e.parameter.fileData) : [];

  if (filesArray.length === 0) {
    return HtmlService.createHtmlOutput("No files uploaded. But your submission is recorded.");
  }

  var userFolder = getOrCreateFolder(parentFolder, username);

  for (var i = 0; i < filesArray.length; i++) {
    var file = filesArray[i];

    if (!file || !file.fileData) continue;

    var data = Utilities.base64Decode(file.fileData);
    var blob = Utilities.newBlob(data, file.mimeType, file.fileName);

    // Upload the file with OCR enabled
    var uploadedFile = Drive.Files.insert({
      title: file.fileName,
      mimeType: file.mimeType
    }, blob, {
```

```

    ocr: true,
    ocrLanguage: 'en'
});

// OCR creates a Google Doc - read its content
var doc = DocumentApp.openById(uploadedFile.id);
var text = doc.getBody().getText().toLowerCase();

// Keyword-based renaming
var renamed = "Unidentified Document";
if (text.includes("signed permission")) renamed = username+"- Signed
Permission Letter";
else if (text.includes("offer letter")) renamed = username+"- Offer
Letter";
else if (text.includes("completion certificate")) renamed = username+"-
Completion Certificate";
else if (text.includes("internship report")) renamed = username+"-
Internship Report";
else if (text.includes("student feedback")) renamed = username+"-
Student Feedback";
else if (text.includes("employer feedback")) renamed = username+"-
Employer Feedback";

// Rename and move to user folder
var finalFile = DriveApp.getFileById(uploadedFile.id);
finalFile.setName(renamed);
userFolder.addFile(finalFile);
DriveApp.getRootFolder().removeFile(finalFile); // Remove from root to
avoid duplication

// Log the renamed file
listRecord(username, renamed, userFolder.getId());
}

return HtmlService.createHtmlOutput("Files uploaded and renamed using OCR
successfully!");

```

```

}

/***
 * Function to get or create a folder inside the parent folder
 */
function getOrCreateFolder(parentFolder, folderName) {
  var folders = parentFolder.getFoldersByName(folderName);
  if (folders.hasNext()) {
    return folders.next(); // If folder exists, return it
  } else {
    return parentFolder.createFolder(folderName); // If folder doesn't exist,
create it
  }
}

/***
 * Function to log records in the Google Sheet
 */
function listRecord(username, filename, folderId) {
  var url =
'https://docs.google.com/spreadsheets/d/18MBmPYCkJsyqHZl415e2ZLH9a49hi7QN19WPF
PdInv8/edit?gid=0#gid=0'; // URL OF GOOGLE SHEET
  var ss = SpreadsheetApp.openByUrl(url);
  var recordsSheet = ss.getSheetByName("Records");
  var folderUrl = "https://drive.google.com/drive/folders/" + folderId;
  recordsSheet.appendRow([username, filename, folderUrl, new Date()]);
}

function doGet(e) {
  return
ContentService.createTextOutput(JSON.stringify(getUploadedDocuments()))
  .setMimeType(ContentService.MimeType.JSON);
}

/***

```

```

/* Function to fetch stored documents from the Google Sheet
*/
function getUploadedDocuments() {
  var url =
'https://docs.google.com/spreadsheets/d/18MBmPYCkJsyqHZl415e2ZLH9a49hi7QN19WPF
PdInv8/edit?gid=0#gid=0';
  var ss = SpreadsheetApp.openByUrl(url);
  var recordsSheet = ss.getSheetByName("Records");

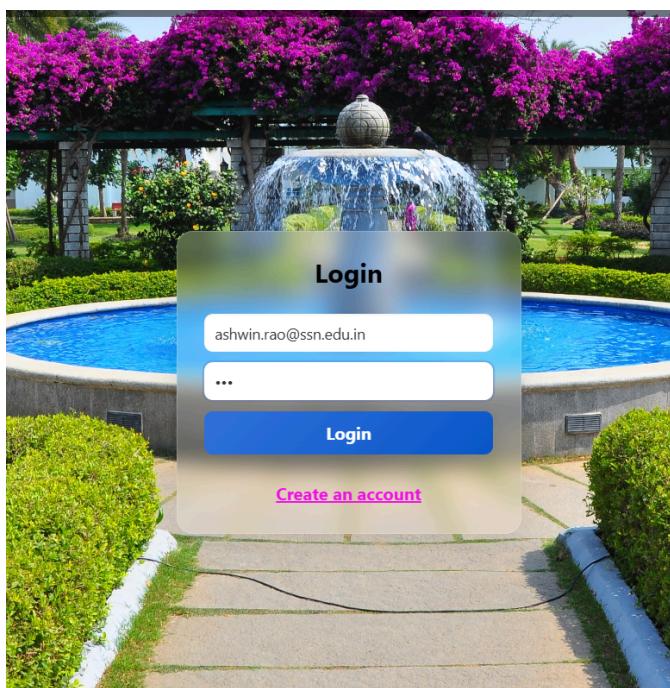
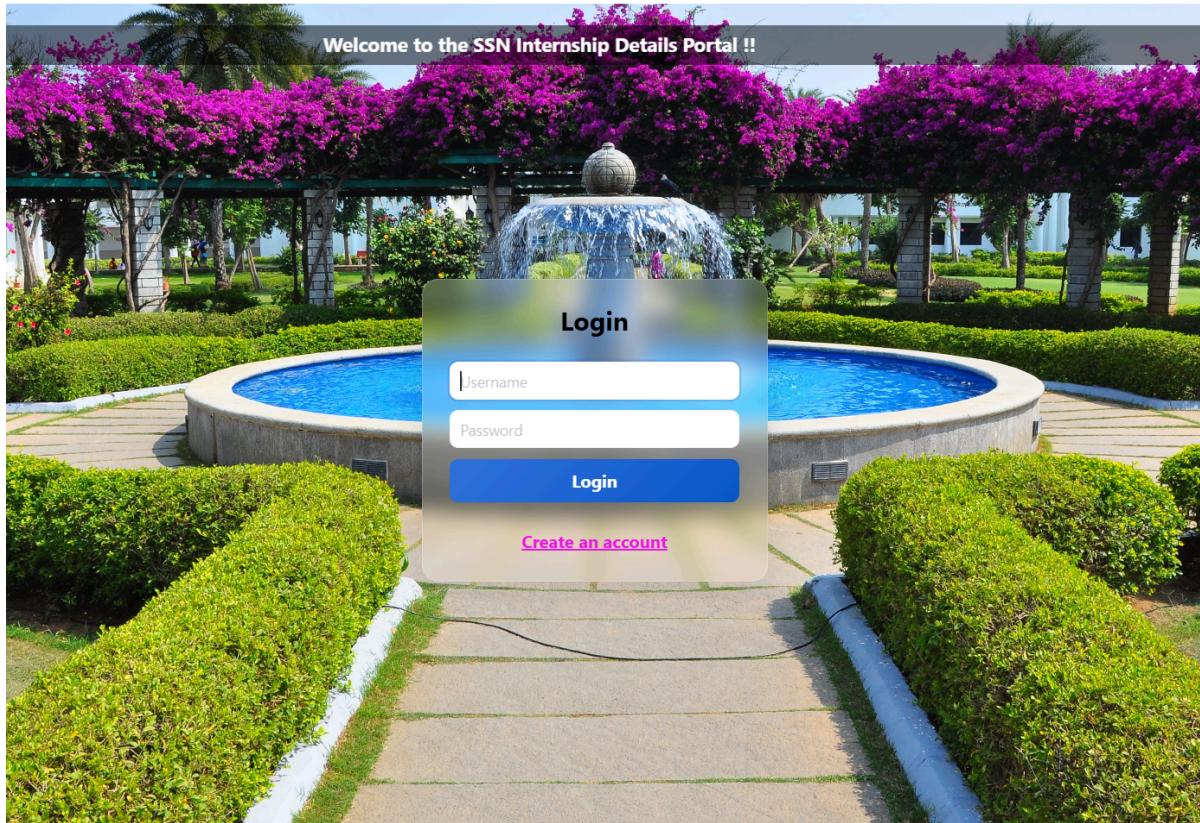
  var data = recordsSheet.getDataRange().getValues();
  var result = [];

  for (var i = 1; i < data.length; i++) { // Skip the header row
    result.push({
      username: data[i][0],
      filename: data[i][1],
      folderUrl: data[i][2],
      timestamp: data[i][3]
    });
  }

  return result;
}

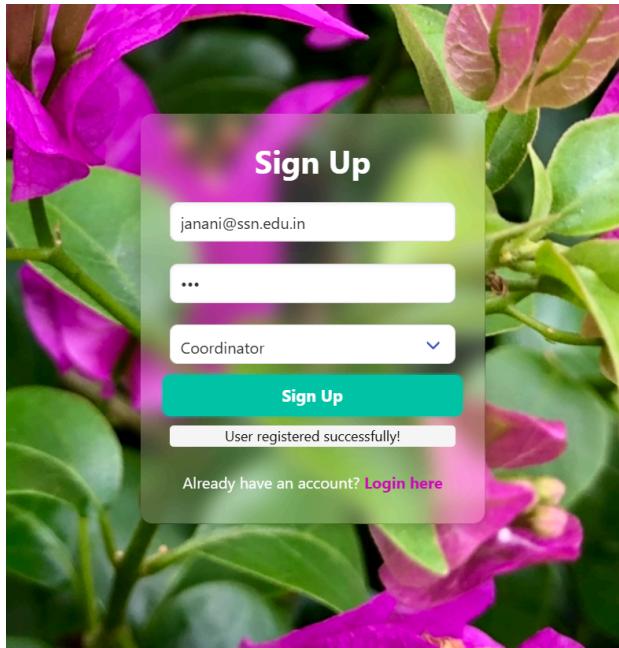
```

### Sample screenshots along with the functioning:



Username	password	role	Timestamp
abhishek.sharma	Hello	Student	2/24/2025 15:20
ashwin.rao@ssn	pmWkWSBCL51	Student	2/24/2025 15:20
abhinav.verma@	a4ayc/80/OGda4	Coordinator	2/24/2025 15:29
dilsha.nair@ssn	pmWkWSBCL51	Coordinator	2/24/2025 15:37
priya.shankar@	pmWkWSBCL51	Coordinator	2/24/2025 15:37

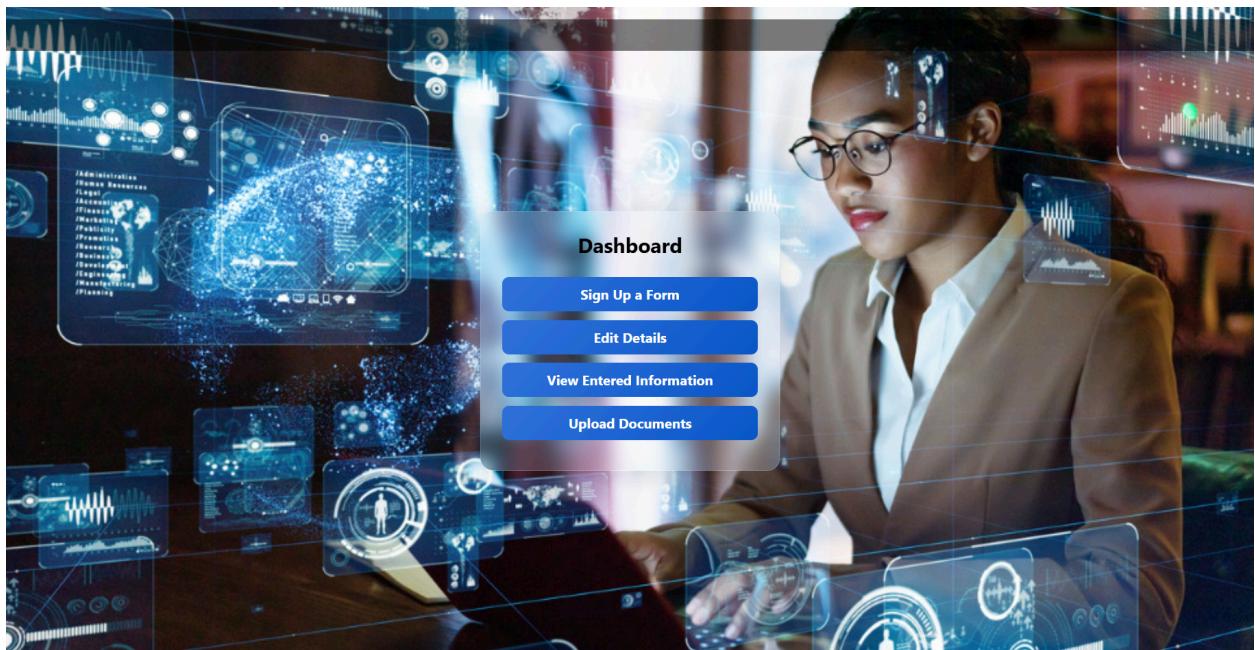
**Signup page - with hashed password storage for security**



Username	password	role	Timestamp
abhishek.sharma	Hello	Student	2/24/2025 15:20
ashwin.rao@ssn	pmWkWSBCL5	Student	2/24/2025 15:20
abhinav.verma@	a4ayc/80/OGda	Coordinator	2/24/2025 15:29
dilsha.nair@ssn	pmWkWSBCL5	Coordinator	2/24/2025 15:37
priya.shankar@ssn	pmWkWSBCL5	Coordinator	2/24/2025 15:37
janani@ssn.edu	2nDfpNn5Wsl5+	Coordinator	2/25/2025 20:51

### Student Dashboard - here we have 4 options to choose from

1. Sign up a form
2. Edit details
3. View entered details
4. Upload documents



## View Entered Information

**Student Internship Details**

Student Name	Email	DOB	Gender	Batch	Academic Year	Section	Semester	Register Number	Mobile Number	Obtained Internship	Company	Title	Period	Start Date	End Date	Placement Source	Stipend	Internship Type
Ashwin	ashwin@ssn.edu.in	2001-08-11T18:30:00.000Z	male	2023	B	Sem 8	3122225001002	9765432109	Yes	Microsoft	Data Analyst	3 months	2020-2021	31T18				

Showing 1 to 1 of 1 entries (filtered from 5 total entries)  
PreviousNext

Name	Email	DOB	Password	Gender	Batch	Academic Year	Start Date	End Date	Placement Source	Stipend	Internship Type
Abhishek Sharma	abhishek.sharma@ssn.edu.in	2008-02-15	Hello	female	2021-2025					2022	S
Ashwin	ashwin@ssn.edu.in	2001-08-12	123	male	2019-2023					2023	S
Abhinav	abhinav@ssn.edu.in	2003-09-15	1	male	2021-2025					2023	S
Dilsha	dilsha@ssn.edu.in	2002-06-20	123	female	2020-2024					2023	S
Janani Hariharan	janani@ssn.edu.in	2008-02-15	345	female	2022-2026					2023	S

**Student Internship Details**

Student Name	Email	DOB	Gender	Batch	Academic Year	Section	Semester	Register Number	Mobile Number	Obtained Internship	Company	Title	Period	Start Date	End Date	Placement Source	Stipend	Internship Type
No matching records found																		

Showing 0 to 0 of 0 entries (filtered from 5 total entries)  
PreviousNext

## Uploading documents

Before entry

My Drive > Internship folder - IP Ass... ▾

Type ▾ People ▾ Modified ▾ Source ▾

Folders

- Abhinav
- Abhishek Sharma
- Ashwin
- Janani Hariharan
- Jithu

**Upload Your Documents**

**Username**  
Reddy

**Signed Permission Letter**  
 Sample Reddy letter.pdf

**Offer Letter**  
 No file chosen

**Completion Certificate**  
 No file chosen

**Internship Report**  
 No file chosen

**Student Feedback**  
 No file chosen

**Employer Feedback**  
 No file chosen

**We can see that the file uploaded through the website is reflected on the backend Google Drive that contains the information - here we can see that OCR has been used because the file renaming takes place**

My Drive > Internship folder - IP Ass... ▾

Type People Modified Source

Folders

- Abhinav
- Abhishek Sharma
- Ashwin
- Janani Harihara...
- Jayu
- Jithu
- Reddy

My Drive > Internship folder - IP As... > Reddy ▾

Type People Modified Source

Files

Reddy - Signed Permiss...	⋮
---------------------------	---

Signed  
Permission letter  
from XYZ  
Company ,  
Chennai

You are  
permitted to do  
this internship.

Files uploaded and renamed using OCR successfully!

### **Entering Student internship details**

#### **Student Internship Details**

Name

Jayaram

Email

jayaram@ssn.edu.in

Password

\*\*\*

Date of Birth

05-06-2001

Batch

2023-2027

Academic Year

2023

Semester

Sem 7

Gender

Male  Female

Select ▼

#### Agree to Terms

I agree to the terms and conditions

#### Documents to be submitted

- Signed permission letter,offer letter submitted
- Completion Certificate submitted
- Internship report submitted
- Student Feedback submitted
- Employer Feedback submitted

Sign Up

Cancel

**Submitting..**

### Validation of the Data Entry Page

Email

jayu@gmail.com

Password

...

Date of Birth

dd-mm-yyyy CALENDAR

Batch

Select ▼

Academic Year

Select ▼

Semester

Select ▼

Gender

Male  Female

Additional Information

Any additional information

Register Number

! Please fill out this field.

Your Register Number

Register Number

3122

Start Date

23-04-2025

This page says

Enter correct form of Register Number.

OK

End Date

14-05-2025



Mobile Number

5

This page says

Mobile number must be 10 digits.

OK

Abroad or India

India



Agree to Terms

I agree to the terms and conditions

#### Documents to be submitted

Signed permission letter,offer letter submitted

Completion Certificate submitted

Internship report submitted

Student Feedback submitted

Employer Feedback submitted

Sign Up

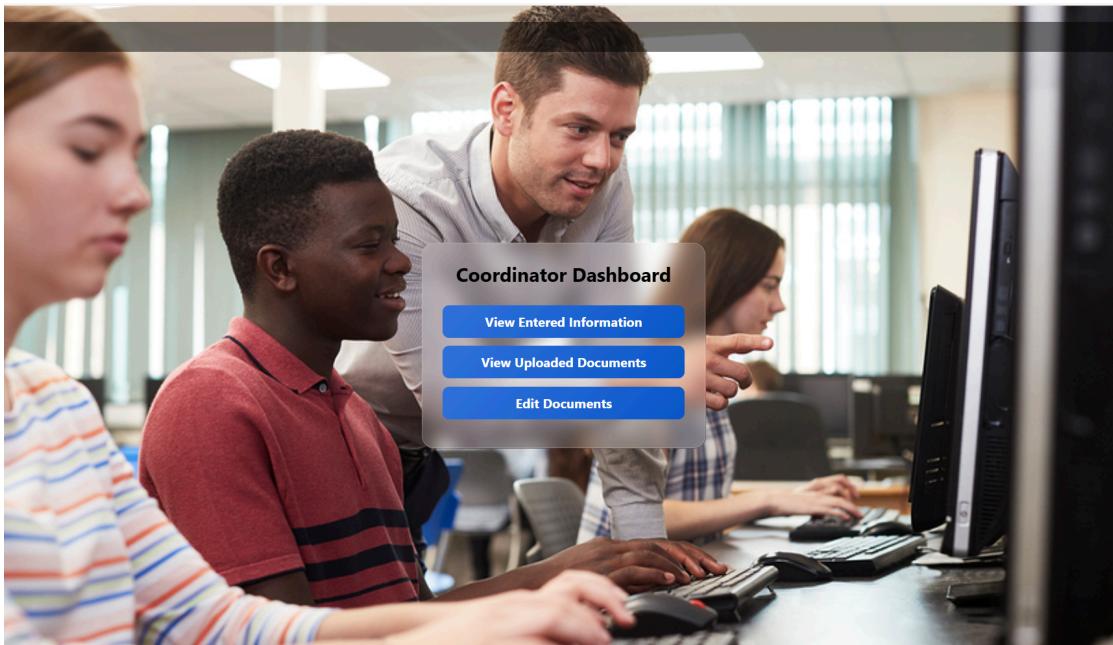
Cancel

Submitting..

**The entered information is also reflected on the backend excel sheet file**

4	Abhinav	abhinav@ssn.edu.in	2003-09-15	1	male	2021-2025		2023	Sem 4	I
5	Dilsha	dilsha@ssn.edu.in	2002-06-20	123	female	2020-2024		2023	Sem 6	
6	Janani Hariharan	janani@ssn.edu.in	2008-02-15	345	female	2022-2026		2023	Sem 6	
7	Jayaram	jayaram@ssn.edu.in	2001-06-05	456	male			2023	Sem 7	
8										

**Now looking at the coordinator side,**



**Coordinator Dashboard - here we have 4 options to choose from**

1. **View entered details of students based on multiple filters**
2. **Edit details**
3. **View entered documents uploaded by each student**

**View entered details of students based on multiple filters**

## STUDENT INTERNSHIP DETAILS

**Batch:** 
  
**Year:** 
  
**Section:** 
  
**Semester:** 
  
**Search:**

**Select Columns**

Student Name	Email	DOB	Gender	Batch	Academic Year	Section	Semester
Abhinav	abhinav@ssn.edu.in	2003-09-14T18:30:00.000Z	male		2023	C	Sem 4
Abhishek Sharma	abhishek.sharma@ssn.edu.in	2008-02-14T18:30:00.000Z	female		2022	B	Sem 4
Ashwin	ashwin@ssn.edu.in	2001-08-11T18:30:00.000Z	male		2023	B	Sem 8
Dilsha	dilsha@ssn.edu.in	2002-06-19T18:30:00.000Z	female		2023	A	Sem 6
Janani Hariharakrishnan	janani@ssn.edu.in	2008-02-14T18:30:00.000Z	female		2023	A	Sem 6
Jayaram	jayaram@ssn.edu.in	2001-06-04T18:30:00.000Z	male		2023	D	Sem 7

Showing 1 to 6 of 6 entries      Previous  Next

### Applying a few filters - based on year

**Year:** 

  
**Section:** 
  
**Semester:** 
  
**Search:**

**Select Columns**

Student Name	Email	DOB	Gender	Batch	Academic Year	Section	Semester
Abhinav	abhinav@ssn.edu.in	2003-09-14T18:30:00.000Z	male		2023	C	Sem 4
Ashwin	ashwin@ssn.edu.in	2001-08-11T18:30:00.000Z	male		2023	B	Sem 8
Dilsha	dilsha@ssn.edu.in	2002-06-19T18:30:00.000Z	female		2023	A	Sem 6
Janani Hariharakrishnan	janani@ssn.edu.in	2008-02-14T18:30:00.000Z	female		2023	A	Sem 6
Jayaram	jayaram@ssn.edu.in	2001-06-04T18:30:00.000Z	male		2023	D	Sem 7

Showing 1 to 5 of 5 entries (filtered from 6 total entries)      Previous  Next

### Based on Section

**Section:** 
  
**Semester:** 
  
**Search:**

**Select Columns**

Student Name	Email	DOB	Gender	Batch	Academic Year	Section	Semester
Abhishek Sharma	abhishek.sharma@ssn.edu.in	2008-02-14T18:30:00.000Z	female		2022	B	Sem 4
Ashwin	ashwin@ssn.edu.in	2001-08-11T18:30:00.000Z	male		2023	B	Sem 8

Showing 1 to 2 of 2 entries (filtered from 6 total entries)      Previous  Next

## Multiple filters at once

Section: B  
Semester: Sem 4

Student Name	Email	DOB	Gender	Batch	Academic Year	Section	Semester
Abhishek Sharma	abhishek.sharma@ssn.edu.in	2008-02-14T18:30:00.000Z	female		2022	B	Sem 4

Showing 1 to 1 of 1 entries (filtered from 6 total entries) Previous 1 Next

## Viewing only selected columns - here we have deselected the DOB , Batch and the Academic year column

Year: All  
Section: All  
Semester: All

Select Columns

Student Name	Email	Gender	Section	Semester	Register Number	Mobile Number	Obtained Internship
abhinav@ssn.edu.in	male	C	Sem 4	3122225001003	9654321098	Yes	
abhishek.sharma@ssn.edu.in	female	B	Sem 4	3122225001013	9000000006	Yes	
ashwin@ssn.edu.in	male	B	Sem 8	3122225001002	9765432109	Yes	
dilsha@ssn.edu.in	female	A	Sem 6	3122225001004	9543210987	No	
janani@ssn.edu.in	female	A	Sem 6	3122225001046	9790975556	Yes	
jayaram@ssn.edu.in	male	D	Sem 7	3122225001060	8905672341	No	

Search: Previous 1 Next

Select Columns

Student Name	Email	Gender	Section	Semester	Register Number	Mobile Number	Obtained Internship
Abhinav	abhinav@ssn.edu.in	male	C	Sem 4	3122225001003	9654321098	Yes
Abhishek Sharma	abhishek.sharma@ssn.edu.in	female	B	Sem 4	3122225001013	9000000006	Yes
Ashwin	ashwin@ssn.edu.in	male	B	Sem 8	3122225001002	9765432109	Yes
Dilsha	dilsha@ssn.edu.in	female	A	Sem 6	3122225001004	9543210987	No
Janani Hariharakrishnan	janani@ssn.edu.in	female	A	Sem 6	3122225001046	9790975556	Yes
Jayaram	jayaram@ssn.edu.in	male	D	Sem 7	3122225001060	8905672341	No

Showing 1 to 6 of 6 entries Previous 1 Next

## Searching based on key words

Select Columns

Student Name	Email	Gender	Section	Semester	Register Number	Mobile Number	Obtained Internship	Comp
Dilsha	dilsha@ssn.edu.in	female	A	Sem 6	3122225001004	9543210987	No	

Showing 1 to 1 of 1 entries (filtered from 6 total entries)

Previous  Next

**Correct fetching from the excel as Prabavathy is not a stored value in the excel**

## STUDENT INTERNSHIP DETAILS

Batch:

Year:

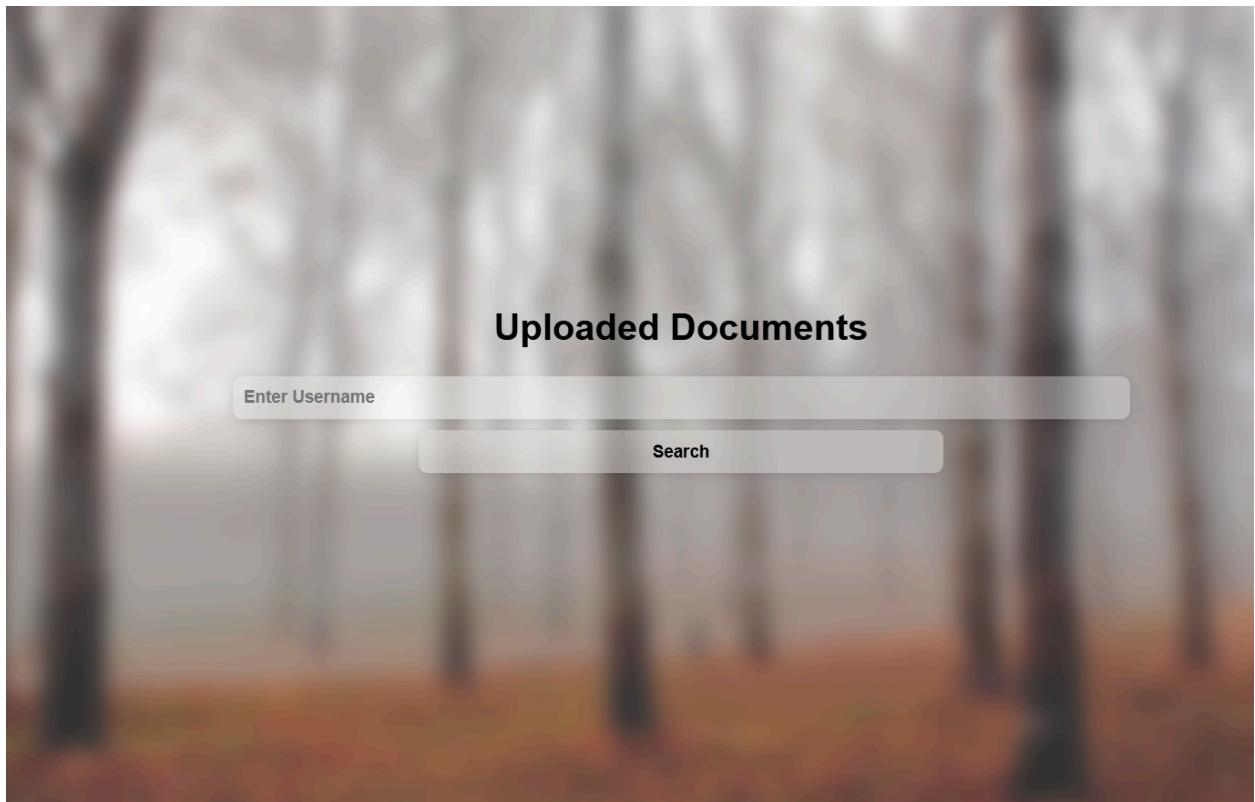
Section:

Semester:

Search:

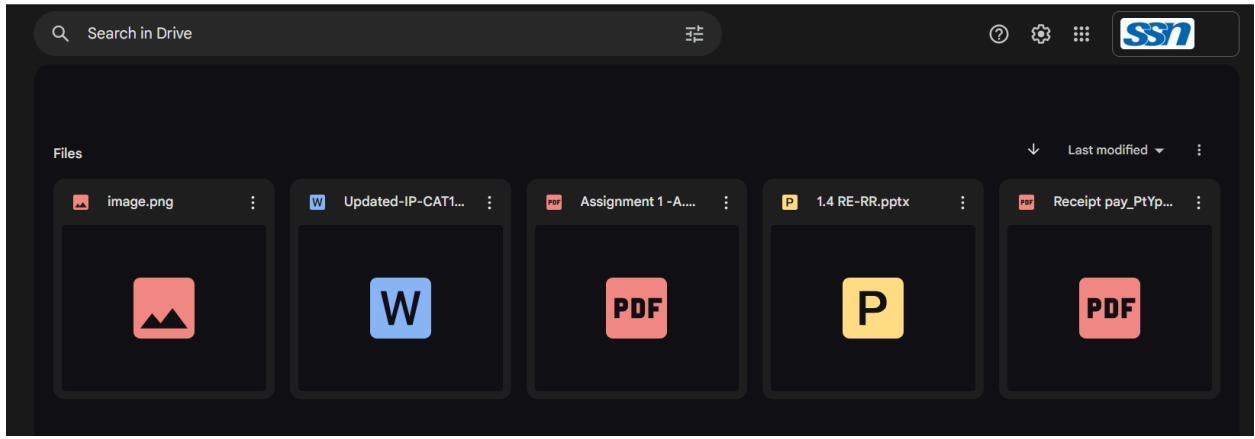
Register Number	Mobile Number	Obtained Internship	Company	Title	Pe
No matching records found					
Previous	Next				

**Viewing the uploaded documents**

A screenshot of a web application titled "Uploaded Documents". At the top, there is a search bar with the placeholder text "Abhinav" and a "Search" button below it. Below the search bar is a table titled "Uploaded Documents" showing a list of files uploaded by the user "Abhinav".

Username	Filename	Folder Link	Timestamp
Abhinav	Receipt pay_PtYp2EN7J0sGwy from SSN (Paid).pdf	<a href="#">Open Folder</a>	2025-02-25T15:48:12.176Z
Abhinav	1.4 RE-RR.pptx	<a href="#">Open Folder</a>	2025-02-25T15:48:18.176Z
Abhinav	Assignment 1 -A.pdf	<a href="#">Open Folder</a>	2025-02-25T15:48:19.939Z
Abhinav	Updated-IP-CAT1-Assignment (1) (1).docx	<a href="#">Open Folder</a>	2025-02-25T15:48:26.326Z
Abhinav	image.png	<a href="#">Open Folder</a>	2025-02-25T15:48:28.551Z

**The Open Folder also takes us to the folder at which the student files have been stored**



**From the above demo and supporting screenshots of the Internship Details storing website , we can leverage the various functionalities that are covered end to end.**

### **Learning Outcomes:**

- Gained hands-on experience in integrating **Google Sheets** and **Google Drive** with web applications.
- Developed **secure authentication mechanisms** using password hashing.
- Implemented **real-time data editing** in an Excel sheet via an HTML interface.
- Designed a **user-friendly dashboard** with role-based access for students and coordinators.
- Learned to automate **document renaming using OCR** for streamlined document management.
- Enhanced form handling skills by incorporating **validation checks and dynamic alert systems**.