

```
//registration form

<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

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

  <title>Student Registration</title>

  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body class="container mt-5">

  <h2 class="text-center">Student Registration</h2>

  <form action="dashboard.html" method="POST" onsubmit="return validateForm()" class="card
p-4 shadow">

    <div class="mb-3">

      <label for="name" class="form-label">Name:</label>

      <input type="text" id="name" name="name" class="form-control" required>

    </div>

    <div class="mb-3">

      <label for="email" class="form-label">Email:</label>

      <input type="email" id="email" name="email" class="form-control" required>

    </div>

    <div class="mb-3">

      <label for="college" class="form-label">College Name:</label>

      <input type="text" id="college" name="college" class="form-control" required>

    </div>

    <div class="mb-3">

      <label for="course" class="form-label">Course:</label>

      <input type="text" id="course" name="course" class="form-control" required>
```

</div>

<div class="mb-3">

<label for="gender" class="form-label">Gender:</label>

<select id="gender" name="gender" class="form-select" required>

<option value="Male">Male</option>

<option value="Female">Female</option>

<option value="Other">Other</option>

</select>

</div>

<div class="mb-3">

<label for="department" class="form-label">Engineering Department:</label>

<input type="text" id="department" name="department" class="form-control" required>

</div>

<div class="mb-3">

<label for="password" class="form-label">Password:</label>

<input type="password" id="password" name="password" class="form-control" required>

</div>

<button type="submit" class="btn btn-primary w-100">Register</button>

</form>

<p class="text-center mt-3">Already have an account? Login here</p>

<script>

function validateForm() {

const email = document.getElementById('email').value;

const password = document.getElementById('password').value;

const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}\$/;

const passwordPattern = /^(?=.*[!@#\$\$%^&*])[A-Za-z\d!@#\$\$%^&*]{8,}\$/;

```

    if (!emailPattern.test(email)) {
        alert("Invalid email format");
        return false;
    }

    if (!passwordPattern.test(password)) {
        alert("Password must be at least 8 characters long and include at least one special
character.");
        return false;
    }

    saveUserData();

    return true;
}

function saveUserData() {
    const name = document.getElementById('name').value;
    const email = document.getElementById('email').value;
    const college = document.getElementById('college').value;
    const course = document.getElementById('course').value;
    const gender = document.getElementById('gender').value;
    const department = document.getElementById('department').value;

    localStorage.setItem('studentName', name);
    localStorage.setItem('studentEmail', email);
    localStorage.setItem('studentCollege', college);
    localStorage.setItem('studentCourse', course);
    localStorage.setItem('studentGender', gender);
    localStorage.setItem('studentDepartment', department);
}
</script>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
</body>

```

</html>

//login form

<!-- login.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Student Login</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">

</head>

<body class="container mt-5">

<h2 class="text-center">Student Login</h2>

<form action="dashboard.html" method="POST" onsubmit="return validateLogin()" class="card p-4 shadow">

<div class="mb-3">

<label for="email" class="form-label">Email:</label>

<input type="email" id="email" name="email" class="form-control" required>

</div>

<div class="mb-3">

<label for="password" class="form-label">Password:</label>

<input type="password" id="password" name="password" class="form-control" required>

</div>

<button type="submit" class="btn btn-primary w-100">Login</button>

</form>

`<p class="text-center mt-3">Don't have an account? Register here</p>`

`<script>`

`function validateLogin() {`

`const email = document.getElementById('email').value;`

`const password = document.getElementById('password').value;`

`const emailPattern = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;`

`const passwordPattern = /^(?=.*[!@#$%^&*])[A-Za-z\d!@#$%^&*]{8,}$/;`

`if (!emailPattern.test(email)) {`

`alert("Invalid email format");`

`return false;`

`}`

`if (!passwordPattern.test(password)) {`

`alert("Password must be at least 8 characters long and include at least one special character.");`

`return false;`

`}`

`saveLoginData();`

`return true;`

`}`

`function saveLoginData() {`

`const email = document.getElementById('email').value;`

`localStorage.setItem('studentEmail', email);`

`}`

`</script>`

`<script`

`src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>`

`</body>`

`</html>`

```
//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 href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">

</head>

<body class="container mt-5">

  <h2 class="text-center">Student Dashboard</h2>

  <div class="card p-4 shadow">

    <h4 class="mb-4">Student Information</h4>

    <ul class="list-group">

      <li class="list-group-item"><strong>Name:</strong> <span id="displayName"></span></li>

      <li class="list-group-item"><strong>Email:</strong> <span id="displayEmail"></span></li>

      <li class="list-group-item"><strong>College:</strong> <span
id="displayCollege"></span></li>

      <li class="list-group-item"><strong>Course:</strong> <span
id="displayCourse"></span></li>

      <li class="list-group-item"><strong>Gender:</strong> <span
id="displayGender"></span></li>

      <li class="list-group-item"><strong>Department:</strong> <span
id="displayDepartment"></span></li>

    </ul>

  </div>

  <a href="login.html" class="btn btn-link mt-3">Logout</a>

<script>

  // Retrieve stored data from localStorage and display it on the dashboard

  window.onload = function() {
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        document.getElementById('displayName').innerText = localStorage.getItem('studentName');

        document.getElementById('displayEmail').innerText = localStorage.getItem('studentEmail');

        document.getElementById('displayCollege').innerText =
localStorage.getItem('studentCollege');

        document.getElementById('displayCourse').innerText =
localStorage.getItem('studentCourse');

        document.getElementById('displayGender').innerText =
localStorage.getItem('studentGender');

        document.getElementById('displayDepartment').innerText =
localStorage.getItem('studentDepartment');

    }

</script>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>

</body>

</html>
```