

HTML Code:

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

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

    <title>Computer Science & Engineering</title>

    <!-- ✓ A. External CSS (Compulsory) -->

    <link rel="stylesheet" href="style.css">

    <!-- ✓ B. Internal CSS -->

    <style>

        /* Cascading Order Step 2: Redefine h1 color in internal CSS.

           This overrides the external CSS 'blue', but will be overridden by inline CSS. */

        h1 {

            color: green;

        }

        /* Styling for a special section (Achievements box) & Add border styling to a section
       */

        .achievements-box {

            background-color: #e8f8f5;

            border: 2px dashed #1abc9c;

            padding: 20px;

            border-radius: 10px;

            margin: 20px 0;

        }

    </style>

</head>

<body>

    <h1>Computer Science & Engineering</h1>

    <div class="achievements-box">

        <p>Achievements Box Content goes here!</p>

    </div>

</body>

</html>
```

```
}

.achievements-box h2 {
    color: #16a085;
    border-bottom-color: #16a085;
}

</style>

</head>

<body>
```

<!-- Container for layout -->

```
<div class="container">
```

<!-- C. Inline CSS: One important heading

Cascading Order Step 3: Inline CSS on <h1>.

This has the highest priority and overrides both external and internal CSS. -->

```
<h1 style="color: red; text-transform: uppercase;">
```

Computer Science & Engineering

```
</h1>
```

<!--

Cascading Order Demonstration Comments:

1. External CSS sets h1 to blue. (Browser default would be standard black, but external CSS overrides it).

2. Internal CSS sets h1 to green. (Higher priority than external because it's defined lower in the head/after the link).

3. Inline CSS sets h1 to red.

Result: The heading is RED because Inline styles have the highest specificity/priority.

-->

```
<!-- ✅ C. Inline CSS: One urgent announcement -->

<div style="background-color: #e74c3c; color: white; padding: 10px; text-align: center; font-weight: bold; border-radius: 5px; margin-bottom: 20px;">

    🚨 Admissions Open 2026 - Apply Now!

</div>

<section id="about">

    <h2>About the Department</h2>

    <p>Established in 2005, offering UG and PG programs. We strive to provide world-class education and foster innovation.</p>

    <!-- ✅ C. Inline CSS: One highlighted paragraph -->

    <p style="background-color: yellow; padding: 10px; border-left: 4px solid orange;">

        <strong>Vision:</strong> Empowering students to become global technology leaders and innovators.

    </p>

</section>

<section id="courses">

    <h2>Courses Offered</h2>

    <ul>

        <li>Data Structures</li>
        <li>Web Technologies</li>
        <li>Artificial Intelligence</li>
        <li>Machine Learning</li>

    </ul>

</section>
```

```
<section id="faculty">  
    <h2>Faculty Highlights</h2>  
    <!-- Using Classes: .card for reusable styling -->  
    <div class="card">  
        <h3>Dr. A. Kumar</h3>  
        <p>Professor - Specialization in Artificial Intelligence</p>  
    </div>  
    <div class="card">  
        <h3>Ms. B. Rao</h3>  
        <p>Assistant Professor - Specialization in Web Technologies</p>  
    </div>  
</section>
```

```
<!-- Special Section with Internal CSS -->  
<section class="achievements-box">  
    <h2>Achievements</h2>  
    <ul>  
        <li>100% placement in 2025</li>  
        <li>5 University Rank Holders</li>  
    </ul>  
    <!-- Using p.highlight selector -->  
    <p class="highlight">Our students continuously strive for excellence!</p>  
</section>
```

```
<!-- ID Selector styling (#contact) -->  
<section id="contact">  
    <h2>Contact Information</h2>
```

```
<p>Email: <a href="mailto:cse@college.edu">cse@college.edu</a></p>
```

```
<!-- Using .center and .highlight classes together -->
```

```
 <span class="highlight center" style="display: inline-block; margin-top: 10px; color: black;">Reach out for inquiries</span>
```

```
</section>
```

```
</div>
```

```
<footer>
```

```
 <p>&copy; 2026 Computer Science & Engineering Department. All rights reserved.</p>
```

```
</footer>
```

```
</body>
```

```
</html>
```

CSS Code:

```
/* Universal Selector */

{
    box-sizing: border-box;
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif; /* Default font-family via
External CSS */

}

/* External CSS: Body background color */

body{
    background-color: #f4f7f6;
    margin: 0;
    padding: 0;
    line-height: 1.6;
    color: #333;
}

/* External CSS: Layout spacing (margin / padding) */

.container{
    width: 80%;
    margin: 20px auto;
    padding: 20px;
    background-color: white;
    border-radius: 10px;
    box-shadow: 0 2px 10px rgba(0,0,0,0.05);
}
```

```
/* External CSS: All <p> elements */

p {
    font-size: 16px;
    margin-bottom: 15px;
}

/* Grouping Selector */

h1, h2, h3 {
    margin-top: 0;
    margin-bottom: 15px;
}

/* External CSS: All <h2> elements */

h2 {
    color: #2c3e50;
    border-bottom: 2px solid #3498db;
    padding-bottom: 5px;
}

/* Cascading Order Step 1: Define h1 color in external CSS */

h1 {
    color: blue; /* This will be overridden by internal CSS, which is overridden by inline CSS */
    text-align: center;
}

/* Class Selectors */

.highlight {
```

```
background-color: #ffeaa7;  
padding: 5px;  
border-radius: 3px;  
}
```

```
/* Element + Class Selector */  
p.highlight {  
    font-weight: bold;  
    color: #d35400;  
}
```

```
.center {  
    text-align: center;  
    display: block;  
    margin-left: auto;  
    margin-right: auto;  
}
```

```
.card {  
    background: white;  
    padding: 15px;  
    margin-bottom: 15px;  
    border-radius: 8px;  
    box-shadow: 0 4px 6px rgba(0,0,0,0.1);  
    /* Border around faculty cards */  
    border: 1px solid #ddd;  
}
```

```
/* ID Selector */  
  
#contact {  
background-color: #2c3e50;  
color: white;  
padding: 20px;  
text-align: center;  
border-radius: 8px;  
margin-top: 30px;  
}  
  
 
```

```
#contact a {  
color: #3498db;  
}  
  
 
```

```
footer {  
text-align: center;  
margin-top: 20px;  
font-size: 14px;  
color: #7f8c8d;  
}  
  
 
```

Computer Science & Engineering

Admissions Open 2026 - Apply Now!

About the Department

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Vision: Empowering students to become global technology leaders and innovators.

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- Artificial Intelligence
- Machine Learning

Faculty Highlights

Dr. A. Kumar
Professor - Specialization in Artificial Intelligence

Professor - Specialization in Artificial Intelligence

Ms. B. Rao
Assistant Professor - Specialization in Web Technologies

Achievements

- 100% placement in 2025
- 5 University Rank Holders

Our students continuously strive for excellence!

Email: cse@college.edu

Reach out for inquiries

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